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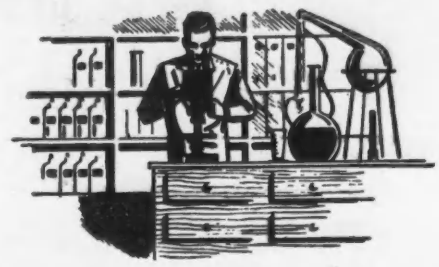

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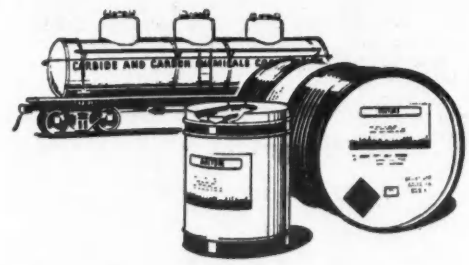

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Potash Salts Deliveries Increased in Jan.-June

Potash deliveries during the first six months of 1949 in North America totaled 1,161,732 tons, containing an equivalent of 618,772 tons of K_2O, the American Potash Institute reported last Friday. This represented an increase of 9 percent in salts and 8 percent in K_2O over the same period of 1948.

Deliveries during the second quarter of this year reached an all time high of 598,488 tons of potash salts, containing an equivalent of 325,734 tons of K_2O, an increase of 16 percent in salts and 17 percent in K_2O over the tonnage in April-June of 1948.

North American potash deliveries in January-June, 1949, compared with the similar period of 1948, were reported in short tons of K_2O as follows:—

	January-June 1949	1948
Muriate	509,786	449,892
Manure salts	33,427	32,030
Sulphate of potash and sulphate of potash-magnesia	35,807	38,597
Total agricultural	579,020	520,519
Chemical	33,649	44,665
Other exports	6,103	6,256
Grand total	618,772	571,440

French Potash Output To Be Aided by ECA

Use of funds of the Economic Cooperation Administration to aid the recovery of the once potent French potash industry was announced by ECA on August 4. The funds will finance a project to increase potash production by the Mines Domaniales de Potasses d'Alsace in the region northwest of Mulhouse, France.

Plans call for the use of $4,000,000 in ECA assistant funds to modernize underground workings and provide new equipment for the mines. The amount is the equivalent of $1,000,000 in foreign exchange or of $120,000,000 in francs.

The expansion and modernization project is expected to increase annual potash production from about 720,000 tons in 1948 to 1,200,000 tons in 1957. The French reserve of potash is one of the principal sources of supply outside of Russia and the Russian zone of Germany.

Fats, Oils Use in Soap To Be Probed by Senate

The senate subcommittee on the utilization of farm crops will conduct hearings on the use of fats and oils by soap manufacturers on August 9, 11, 16 and 23. On August 9 it will hear testimony by Secretary of Commerce Charles Sawyer; Charles Luckman, president of Lever Brothers Company, will testify on August 11; testimony on synthetic detergents will be presented on August 16 by George L. Parkhurst, president of Oronite Chemical Company, and Isaac Fogg, president of Atlas Powder Company, will be heard on August 23.

Water Pollution Control Study Grants Allotted

Federal Security Administrator Oscar R. Ewing announced on August 1 provisional allotments totalling $850,000 to states, territories and the District of Columbia for grants to study water pollution resulting from industrial waste. A total of $2,200,000 has been appropriated by the present Congress for FSA to initiate its nation-wide program of water pollution control and prevention.

Mr. Ewing stated that applications setting forth specific programs for the work must be approved by the Public Health Service of FSA before funds may actually be released for study. A number of applications already have been received by the agency.

Superphosphate Bids Circulated by USDA

The Department of Agriculture has circulated invitations to bid on approximately 50,000 tons of superphosphate and 20,000 tons of mixed fertilizer for use in Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island and other states under the 1950 agricultural program.

Bids will be accepted on 18, 19 or 20 percent superphosphate and 0-12-12, 0-14-14 and 0-20-20 mixed fertilizers up until August 18. Delivery of the material is to take place through August 31, 1950, but it is estimated that approximately 90 percent of it will be required to be delivered prior to June 1.

For Maine, which will require 7,000 tons of mixed fertilizer and 6,000 tons of superphosphate, only offers on a farmyard delivered basis will be considered. For Massachusetts, consideration will be given to offers for f.o.b. truck delivery and to mixed fertilizers which contain fifty pounds of borax in each ton of material. The balance of the tonnage will be for f.o.b. car delivery on government bills of lading.

Tidelands Bills Ready

Two bills dealing with the long standing dispute over ownership of tidelands are expected to be introduced in Congress, following a conference between state and Federal authorities. One bill will provide for Federal management of all tidelands except those within bays and harbors and under navigable rivers, and the other will provide for management by the states of submerged coastal lands for a distance of three miles from shore, except in the case of Texas, which claims jurisdiction over ten and a half miles from shore.

Drug, Chemical Export License Regulations Broadened by OIT

The list of commodities which are exportable under general license GRO was substantially expanded last week by the Office of International Trade of the Department of Commerce. Added to the list, among other items, were a host of pharmaceutical and medicinal chemicals, tanning materials and coaltar products. Of particular interest to the drug industry was the easing of export controls over antibiotics, including penicillin and streptomycin.

The chemical and allied products added to the list of commodities exportable under general license GRO, together with their Department of Commerce Schedule B Number, are as follows:—

Mineral Wax

Schedule B No.
596025—Ceresin wax, yellow.

Coaltar Products

802490—H acid; sulphamic acid.
802590—Benzoic acid; othochloro; para-acetylaminobenzene sulphonyl chloride.

Medicinal Preparations

812,330—Enzymes.
813551-813569—Sulfa drugs.
813576—Penicillin.
813577—Streptomycin.
813579—Antibiotics, n.e.s.[1]
813593—Antomony potassium tartrate; calcium hydrochloride; calcium sulphide; disodium pnosphate; iodine resublime USP-medicinal; magnesium carbonate; magnesium oxide; calcined; nitrous oxide-medicinal; oxygen; sodium arsenate; sodium hydrosulphite; sodium hyposulphite; sodium sulphide.
813595—Formic, lactic, monochloroacetic, oxalic, propionic and sebacic acids; amydricane hydrochloride NNR-medicinal; benzoic acid, orthochloro; para-acetylaminobenzene sulfonyl chloride; para coumarone; phenyl mercury acetate; phenyl mercuric oleate; synthenol; tartar emetic; thionyl chloride-medicinal; saponin or foam powder.

Chemical Specialties

820590—Ethyl mercury phosphate (Lignasan X).
823000—Baking powder.
823850—Bleach, PBT; hygrolit liquid; neutrasol; rayon oil; santomerse D; tergitol; worstex oil.
823900—Oropon; sulpholine; sulphonated setino.
824000—Water softeners; purifiers; boiler and feed-water compounds.
825910—Paracoumarone.
827400—Cementing preparations except oil field cement.[2]
828800—Nacconols.
828950—Other specialty cleaning and washing compounds, except soap.
829200—Leather dressing oils, polishes and stains.
829400—Automobile polishes.
829990—Enzymes; hornkom[2] sulphonated derivatives; photographic developers, except of coaltar origin; printing press plate preparation; wood preservative.

Industrial Chemicals

830300—Citric, formic, lactic, monochloroacetic, propionic, sebacic and tannic acids and anhydrides.
832990—Amydricaine hydrochloride; saponin or foam powder.
834010—Calcium hypochlorite.
834600—Iodine resublimed USP.
837700—Disodium phosphate.
837800—Sodium hydrosulphite.
837990—Sodium arsenate; sodium hydrosulphite; sodium sulphide.
839500—Oxygen.
839610—Antimony potassium tartrate.
839900—Magnesium oxide, calcined; magnesium carbonate; phenyl mercury acetate; phenyl mercuric oleate; synthenol; tartar emetic; thionyl chloride.
843310—Lacquers, cellulosic, pigmented.
871100-872900—Soap.

[1] Aureomycon hydrochloride and tyrothricin, classified under Schedule B No. 813579, are already on the list of commodities exportable under general license GRO.

[2] Floor cement; floor patch, concrete; liquid cement; linoleum cement, except rubber; roof cement, and wallboard cementing preparations, classified under schedule B No. 827400, are already on the list of commodities exportable under general license GRO.

Copper Import Tax Restoration Urged

Restoration of the 2c. per pound prewar duty on imported copper was urged before the senate finance committee last Thursday by Senators McFarland and Hayden, of Arizona. Mr. McFarland suggested further that the duty be boosted 4c. to 6c. per pound to enable United States producers to meet competition from Chilean mines.

The Arizona senators were among the witnesses testifying before the committee as it opened hearings on the copper duty bill. Joining them in support of the legislation were William Lynch, representing copper companies in ten states, and Sam Morris, chairman of the Arizona Copper Tariff Board. Opposing the measure were Simon Strauss, of the American Smelting & Refining Company, and Norman Kickman, vice-president of American Metals Company.

Restoration of the 2c. levy apparently faces an uphill battle, as the Department of Commerce already has submitted to the house ways and means committee and the senate finance committee a statement opposing all bills to repeal the present suspension of the import tax.

Permanente Metals Buys 3 Govt. Aluminum Plants

War Assets of the General Services Administration has sold three government-owned aluminum plants to the Permanente Metals Corporation for $36,000,000. The plants, one in Baton Rouge, La., and two in Spokane, Wash., have been operated by Permanente Metals Corporation under lease since 1946.

The Baton Rouge plant has an annual capacity of 500,000 tons of alumina from bauxite, the Mead aluminum reduction plant at Spokane has an annual production capacity of 216,000,000 pounds, and the Trentwood rolling mill, also in Spokane, has an annual capacity of 288,000,000 pounds. The company had previously purchased a small aluminum plant at Tacoma, Wash., and a fabricating plant at Newark, Ohio, from the government.

U.S. Commerce Chamber Backs Excise Taxes Cut

The Chamber of Commerce of the United States last week lent its strength to the move for prompt removal of wartime increases in excise taxes, including those on toiletries and perfumes. Herman W. Steinkraus, president of the chamber, sent letters to Chairman George of the senate finance committee and chairman Doughton of the house ways and means committee endorsing pending bills designed to effect reduction of what he termed "excessive levies."

"It is reasonable to expect," Mr. Steinkraus wrote, "that the resultant stimulation to business activity would increase the yield of personal and corporate income taxes. Furthermore, in many instances reduction of high excise taxes actually would produce greater tax yields than present rates."

Excise Tax Repeal Seen Unlikely This Session

The toiletries and soap industries long campaign for repeal of wartime excise taxes on their products will not bear fruit until the next session of Congress at the earliest, it became clear last Thursday. On that day President Truman told his news conference that a lot of research by Congressional committees and the Treasury Department is required before anything can be done along the lines of repeal of the taxes. This appeared to kill any hopes that Congress might respond to the demand of industry for repealing some of the taxes this session.

Peanut 1949 Crop Support Prices Announced by USDA

The Department of Agriculture announced August 3, specific support of prices for 1949 crop farmers stock peanuts based upon 90 percent of parity as of August 1, 1949. These prices, which provide a basic support level of 10.5c. per pound or about $210 per ton, apply to farmers' stock peanuts which are eligible for price support under the 1949 crop marketing quota program.

To be eligible for price support at 90 percent of parity, a producer must not pick or thresh peanuts in excess of the allotment established for his farm under the 1949 crop peanut marketing quota program. A producer who picks or threshes in excess of his farm acreage allotment will not be eligible for price support on his production from the allotted acreage. Production harvested from acreage in excess of the farm allotment will be eligible for a support price of 54 percent of parity, but any marketings of such excess peanuts will be subject to a marketing quota penalty of 45 percent of parity.

The base grade support prices per ton of peanuts containing less than 2 percent damage and less than 4 percent foreign material are: $209 for Spanish and Valencias east of the Mississippi River,

—Continued on page 12

Price Trend Takes a Dip

Although the upward price movement continued in nonferrous metal areas and the trend in fatty oils was still mostly on the upside, the overall price position of the markets for chemicals, oils, and drugs was weakened last week by cuts in botanical drugs and their derivatives, egg products, and acids. The overall index number was reduced 0.3 point, which was almost one-half of what it had gained over the preceding three weeks.

The extensive reducing of quotations on botanical drugs was attributed to the size of inventories, buying having been slow for some time. A few important articles were still scarce. The influence of the botanical position on derived drugs was abetted by process improvements which encompassed synthetic materials also. Amphetamine, caffeine, menthol, penicillin, and podophyllin were affected. Brucines were advanced. Spices were stronger because of the pepper situation; aromatic oils were higher. Oxalic and sebacic acids were reduced; so were alkyl sebacates. Edible vegetable oils were advanced further. Drying oils were split: tung up; linseed down. Animal fats were upped; codliver oil was cut.

Another boost for lead carried the oxides upward. Increases in zinc oxides and sulphides reflected the recent movement of the metal.

Industrial chemicals, as a rule, were being asked for a bit more often during the week; but all the demand was for small lots. Copper sulphate and calcium arsenate were almost alone as heavy movers in the agricultural fields; the newer, organic insecticides were short. Chlorine deliveries are hampered by lack of small cylinders.

Views in general on the Fall outlook run about half and half.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Aug. 5, 1949	July 29, 1949	Aug. 6, 1948
128.2	128.5	144.7

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.3
February	140.4	147.2	151.9	135.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	135.4	121.9
July	128.1	145.9	142.5	137.7	125.5

Radioactive Isotopes Shipments Total 7,613 in First Three Years

Marking the third anniversary of the first shipment of radioactive isotopes from Oak Ridge National Laboratory, the Atomic Energy Commission announced on August 2 that 7,613 shipments have been made to institutions and individuals since the inception of the program. In addition, 750 shipments of separated, nonradioactive stable isotopes were also made.

Of the total number of shipments, the report said, 7,025 have gone to research laboratories and hospitals in the United States. Since September, 1947, when the foreign distribution program was announced, 588 shipments have gone to researchers in twenty-one countries.

To date, 307 institutions and 557 departments of institutions in the United States have received shipments of radioactive isotopes produced in the laboratory's reactor. During the same period, 144 institutions and 209 departments of institutions have received shipments of stable isotopes.

Foreign Recipients Listed

Researchers in the following countries have received radioactive materials from Oak Ridge, mainly for medical and biological studies:—Argentina, Australia, Belgium, Brazil, Canada, Colombia, Denmark, Finland, France, Iceland, Italy, Netherlands, New Zealand, Norway, Peru, Spain, Sweden, Switzerland, Turkey, Union of South Africa and the United Kingdom. In addition, Chile, Cuba, Guatemala, India, Ireland, Lebanon, Mexico and Uruguay have qualified to receive shipments.

The program has grown to such an ex-

—Continued on page 78

Alcohol Plants Disposal Opposed in Senate Bill

Senator Guy M. Gillette, of Iowa introduced on August 4 a bill to put the government's idle surplus grain alcohol plants in a standby condition for emergency operation. The plants are located at Omaha, Neb., Muscatine, Iowa, and Kansas City, Mo.

The following day, however, Paul Hadlick, counsel for the senate agriculture committee's subcommittee on the utilization of farm crops, of which Mr. Gillette is chairman, said that the senator probably would modify his proposal so as to eliminate the Kansas City Plant.

The measure was introduced in the senate as government agencies were presenting their views on the plants to the subcommittee. John Thompson, deputy director of the Department of Agriculture's production and marketing administration, told the subcommittee that it would be less expensive to build an en-

—Continued on page 78

Mines Subsidy Bill Introduced in Congress

Congress has been asked to support a bill which would allow all tariffs collected on imported manganese, antimony, mercury and tungsten to be used to subsidize domestic producers of these metals. Sponsored by twenty-two western senators, the bill was endorsed by spokesmen for the producers at hearings held by the senate interior committee last Friday.

F. H. Williston, vice-president of the Nevada Corporation, and W. L. Long, vice-president of the Tungsten Mining Corporation, told the committee that the four metals were essential to national defense and that without some sort of subsidy domestic producers will be unable to continue operations.

The bill would authorize the Secretary of the Treasury to divide among each of the four groups of producers the total tariff collected on each mineral. Decisions would be based on production. The industry spokesmen estimated that annual cost of the bill would amount to $3,500,000.

White Mineral Oil Import Suspended by Indian Govt.

The government of India has suspended the issuance of licenses for the importation of white mineral oil into that country, although outstanding licenses issued up to June 1, 1949, will remain valid for six months after date of issuance, the Office of International Trade announced August 3.

The license suspension action is understood to have been taken because white mineral oil has been used in India to adulterate edible animal oils, OIT said.

The government of India has also reported that attempts have been made to import white mineral oil under licenses issued for other types of mineral oils, such as white spindle oil and white transformer oil. In view of this, customs collectors in India have been instructed not to permit import clearance for white mineral oil under any other name.

American Cyanamid Has Improved Titanium Dioxide

American Cyanamid Company, Calco Chemical Division, is now manufacturing and has standardized for distribution several improved types of titanium dioxide, according to a company announcement.

Among them is "Unitane 0-310" (anatase type), which the manufacturer says is particularly suited for high temperature baking enamels, refrigerator finishes, lacquers and phenolic resin enamels. Another is "Unitane OR-342," a new type rutile titanium dioxide developed especially for use in enamel finishes and related products. The maker says it is particularly adapted to formulas including more reactive vehicles such as the maleic modified types and certain highly bodied oleoresinous varnishes. Other types of "Unitane" will be announced in the future.

Heads Fertilizer Sales

L. H. Wright has been appointed manager of the fertilizer sales division of the Phillips Chemical Company, Bartlesville, Okla. Mr. Wright joined the Phillips Petroleum Company in 1930 and handled sales of liquefied petroleum gases in the Detroit, Milwaukee, Chicago and southwestern territories until 1946. From 1946 until the present he has been assistant manager of the "Philgas" sales group.

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ECA Announces Additional Procurement Authorizations

New procurement authorizations issued to Marshall plan countries by the Economic Cooperation Administration during the period July 29 through August 3, totaled $24,622,000, raising the total authorizations to date to $6,213,835,000. Among the new authorizations were the following:—

To Austria—$1,000,000 for lard and $200,000 for oil cake and meal from the United States and possessions.

To Belgium-Luxembourg—Decreases of $100,000 for alcohol and $20,000 for milk powder from the United States and possessions, and decreases of $14,000 for raw or refined sugar and $2,900,000 for crude oil and petroleum products from Latin America and Aruba.

To Bizone Germany—$2,390,000 for copper and copper products, $430,000 for nonmetallic minerals, except petroleum, and nonmetallic mineral products, $90,000 for chemicals and chemical preparations, excluding fertilizers and fertilizer materials and synthetic rubber, $1,000,000 for industrial chemicals other than alcohol, and a decrease of $781,000 in a previous allocation for soap, soap stock and fatty acids, all from the United States and possessions; $653,000 for copper and copper products, $540,000 for nickel and nickel base alloys and products and $200,000 for nonmetallic minerals, except petroleum, and nonmetallic mineral products, all from Canada; and $443,000 for copper and copper products from Latin America.

To Denmark—$35,000 for crude oil and petroleum products from Saudi Arabia, Bahrein, Kuwait, Iraq, Iran and Israel and $34,000 for copper and copper products from Latin America.

To France—$1,048,000 for miscellaneous industrial nonferrous metals and their products, except beryllium, thorium or their products, and decreases of $331,000 and $85,000 from previous allocations for cotton linters and nickel and nickel base alloys and products, respectively, from the United States and possessions; $106,000 for medicinal and pharmaceutical preparations from Latin America; $948,000 for copper and copper products from Canada; $232,000 for medicinal and pharmaceutical preparations from Japan.

To French North Africa—A decrease of $350,000 in a previous allocation for crude oil and petroleum products from Saudi Arabia, Bahrein, Kuwait, Iraq, Iran and Israel.

To French zone Germany—$1,000,000 for lard; $828,000 for oil cake and meal; $90,000 for linseed oil; $75,000 for vegetable oils and fats, including oleomargarin; $45,000 for industrial chemicals other than alcohol; $11,000 for miscellaneous industrial nonferrous metals and their products, except beryllium, thorium and their products, all from the United States and possessions, and decreases from previous allocations of $768,000 for oil cake and meal; $139,000 for whale and fish oil from the United States and possessions, and $75,000 for vegetable oils and fats, including oleomargarin, from the western hem-

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Calcium Chloride Pellets Production Started by Dow

Dow Chemical Company, Midland, Mich., has instituted large scale production of calcium chloride in pellet form at its plant in Ludington, Mich. The pellets are of buckshot size and are 94 to 96 percent anhydrous material. They are quoted at $29 per ton, f.o.b. Ludington, packed in 100 pound moisture proof paper bags.

'Prosein' Prices Up

The Glidden Company, Soya Products Division, Chicago, has announced new price listings for "prosein," soybean protein, to become effective August 13. Increased cost of raw materials was said to be responsible for the new prices. The latest price schedule will be:—40,000 to 60,000 pounds, $0.0625 per pound; 20,000 to 40,000 pounds, $0.0640 per pound and 100 to 20,000 pounds, $0.0655 per pound. Listings are for f.o.b. Chicago, goods packed in 100-pound bags.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Barium fluosilicate.
Ergotamine tartrate.
Levo-Malic acid.
Meta-toluidine-6-sulphonic acid.
Nitrocarbonic acid.
Phenylurethane sulphochloride.
Sulphydryl pentathionate.

Insecticide Appropriation For USDA Is $1,750,000

A Congressional appropriation of $1,750,000 for the control of emergency outbreaks of insect pests and plant diseases, which is expected to be approved by President Truman, will be spent for the purchase of insecticidal chemicals and the materials which go into the making of the finished insecticides and apparatus such as airplane applicators, a spokesman for the Department of Agriculture said on August 4.

For the present growing season, he declared, the chemicals that will be purchased will probably be restricted to chlordane, toxaphene and sodium fluorsilicate. Later, probably some time next Spring, he added, quantities of DDT and hydrocyanic gas will be purchased.

He was unable to estimate what percentage of the appropriation would be used for the acquisition of chemicals but stated that probably more finished products would be bought than raw materials.

The appropriation measure, HJ Res. 327, was approved by conferees of the two houses on August 3 and immediately passed by both bodies. The figure is lower than the $3,500,000 asked by the Bureau of the Budget and earlier approved by a senate committee but is $250,000 higher than the figure originally provided by the house appropriation committee.

Jefferson Lake Sulphur Stockholders Vote to Merge

The stockholders of the Jefferson Lake Sulphur Company, a Louisiana corporation, voted approval of a plan to merge that organization into the Jefferson Lake Sulphur Company, a New Jersey corporation, at a recent meeting. Directors of the two companies had previously agreed on terms of the merger, which was conceived as a means of converting the Louisiana corporation into a New Jersey corporation.

Armour Appoints Corley Chemical Division Head

Armour & Co., Chicago, has appointed H. M. Corley manager of its chemical division. Mr. Corley joined the company in 1927 and has devoted the greater part of his work to the development of new chemicals, commercial processes for manufacturing chemicals, and new products in which chemicals are used. For the last three years he has been assistant director of research.

Squibb Names Dahl Director

E. R. Squibb & Sons, drug manufacturer, New York, has elected Roland J. Dahl a director. Mr. Dahl, who is vice-president in charge of research and development, directs all laboratory and clinical research activities of the company, as well as being responsible for the development of new products and their market form and for new process techniques and procedures. He joined the company in 1930.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Bichromates, Mexico D.F., Mexico (EE-3).
Cellophane, Florence, Italy (EE-2).
Chromium salts, Mexico D.F., Mexico (EE-3).
Coconut oil, Essen, Germany (EE-5—agency).
Copper sulphate, Mexico D.F., Mexico (EE-3).
Detergents, Brussels, Belgium (EE-1).
Fats and oils, Brussels, Belgium (EE-1).
Fatty acids, vegetable, distilled, Brussels, Belgium (EE-1).
Fatty alcohols, high, Brussels, Belgium (EE-1).
Fertilizers, Taiwan (EE-4).
Lard, Essen, Germany (EE-5—agency).
Milk powder, Essen, Germany (EE-5—agency).
Salt, Taiwan (EE-4).
Soybeans, Taiwan (EE-4).
Synthetic resins, Brussels, Belgium (EE-1).
Tallows, Brussels, Belgium (EE-1).
Tanstuffs, cellulosic, Mexico D.F., Mexico (EE-3).

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce include the following, which are available from the division at $1 for a list for any one country:—

Drug and cosmetic importers and dealers—(1) Pakistan; (2) Peru; (3) Portuguese East Africa.
Hospitals—(1) Guatemala; (2) Oceania.
Oil (animal, fish, vegetable) importers, dealers, producers, refiners, and exporters—India.

Joins General Mills

Dr. Malcolm M. Renfrew has been appointed head of the chemical department of the research laboratories of General Mills, Inc., Minneapolis. Dr. Renfrew, who was formerly supervisor of product development for the plastics department of E. I. du Pont de Nemours & Co., at Arlington, N. J., will be responsible for the organic chemical research program of General Mills in his new position.

Victor Chemical Works Acquires Maas Company

The Victor Chemical Works, Chicago, has acquired the A. R. Maas Chemical Company, South Gate, Calif. The Maas organization was founded in 1919 by the late Prof. Arthur R. Maas to manufacturer photographic chemicals, phosphoric acid and sodium phosphates. August Kochs, chairman of the Victor Chemical Works, said that no change in personnel of the Maas company is contemplated.

In addition to the South Gate plant just acquired, the Victor organization operates phosphorus furnaces at Mt. Pleasant, Tenn., and Victor, Fla., and processing plants at Chicago Heights, Ill.; Nashville, Tenn., and Morrisville, Pa.

Breon Advances Czermak

George A. Breon & Co., pharmaceutical manufacturer, Kansas City, Mo., has appointed Charles L. Czermak associate sales manager. In this capacity Mr. Czermak, who joined the Breon sales force in 1946, will assist in the planning of sales and merchandising activities and in the supervision of the sales personnel.

FTC Practices Hit at House Hearing; Holland Bill Assailed

Testifying before the house judiciary subcommittee studying monopoly conditions on August 3, Edward R. Johnston, spokesman for the commerce and trade committee of the American Bar Association, assailed the practice of the Federal Trade Commission of "inferring price agreement from the mere fact of uniformity where competitors have mutual contacts and belong to trade groups that might make such agreements possible."

The speaker also questioned whether it was the intent of Congress to have the FTC enforce the Sherman act, and sharply criticized that agency's handling of cases under this questioned authority.

At another hearing last week, Henry G. Walter jr., secretary and a director of American Potash & Chemical Corporation, New York, registered a strong protest against passage of the Holland bill (S. 1910). At his office in New York on Friday, Mr. Walter said that he was confident his objection had been received favorably by the committee and expressed confidence that the bill will not be reported to the senate for passage.

In another attack, Mr. Johnson severely criticized the Supreme Court's interpretation of the meaning of "price" as used in the Robinson-Patman act, and the effect of that decision in precluding the seller from absorbing freight in order to meet competition in markets where the seller is at a disadvantage freightwise. He said that businessmen are becoming fearful of liability because of adverse constructions placed by courts on the broad language of statutes.

Size Offensiveness Questioned

Turning to the antimonopoly question, the speaker said that the most controversial point of section 2 of the Sherman act seems to be whether or not mere size is an offense. "Most of the witnesses who have testified before this committee in reference to monopoly," he added, "seem to be referring primarily to size rather than to any abuse of power.

"The Supreme Court has told us that to monopolize within the prohibition of section 2 means to possess the power to exclude competitors, coupled with the intent to exercise that power. On the basis of that definition, size alone does not violate the act. Nor has the Supreme Court ever so held."

In answer to a question from Representative Kenneth B. Keating, of New York, as to how the problem of size and intent to exercise the power to monopolize might

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Alcoa Appoints Wilder Marketing Division Head

The Aluminum Company of America has appointed Hugo T. Wilder manager of the new marketing division of its sales department. Among the functions of the new division will be the study of marketing methods and selection of sales outlets for products, the conduct of market surveys and the supervision of sales statistics.

Mr. Wilder, who has been with the company since 1919, joined the sales department at the New York office in 1922. In 1929 he was made manager of the Newark, N. J., sales office, and in 1944 was appointed manager of the company's pig and ingot sales. Two years later he assumed additional duties as warehouse manager for the company.

City Chemical Expands Laboratory, Plant Facilities

City Chemical Corporation, manufacturer and distributor of fine and industrial chemicals, has added a new laboratory building and new equipment to its plant in Jersey City, N. J. The company pointed out that the increased facilities will make it possible to speed up the production time required in the manufacture of many of its products. Most of the compounds made by the company were formerly available only from foreign sources, it was pointed out, but now are being produced by City Chemical in this country.

Food Machinery to Offer $8,000,000 Debentures

The Food Machinery and Chemical Corporation, San Jose, Calif., has filed with the Securities and Exchange Commission a registration statement covering $8,000,000 of sinking fund debentures, due Aug. 15, 1969. The corporation, it was said, expects to use the proceeds for the construction and equipping of plants in connection with its phosphate project. The cost of the entire project has been estimated at $11,400,000.

Koppers Appoints Three To Gas, Coke Div. Posts

Koppers Company, Pittsburgh, has appointed Harold F. Ebken personnel manager of its gas and coke division, M. W. Gaylord production manager and J. E. Spears control manager of the division. The three men will work out of the division's new headquarters in Pittsburgh.

Mr. Ebken, who was formerly procurement manager for the division's plant at Granite City, Ill., joined the company in 1930 and was transferred to Granite City in 1941. Mr. Gaylord has been with company since 1939 and was formerly plant engineer of the division's St. Paul plant. Mr. Spears joined the Koppers organization in 1929.

Dow Appoints Bennett To Succeed Chichester

Dow Chemical Company, Midland, Mich., has appointed Robert B. Bennett assistant secretary and general credit manager, to succeed L. A. Chichester, who has retired. Mr. Chichester, who has been associated with the company for the past thirty-one years, is being retained in a consulting capacity.

Mr. Bennett joined the Dow organization in 1941 as assistant credit manager. After serving in various posts in the auditing and cost accounting departments, he was named credit manager for the plastics division in 1947.

Dearborn Chemical Has New Surface Active Agent

Dearborn Chemical Company, Chicago, has formulated a new surface active agent, tetranaphthenoyltriethylenetetramine, which is said to have wide commercial possibilities as a modifier, plasticizer or additive. The new agent is an acylation product of triethylenetetramine with naphthenic acid, and is described as a very high viscosity oil, dark in color and insoluble in water but soluble in a variety of organic solvents. It is commercially available in technical grade and samples will be furnished upon request to the company.

Washington Talks It Over

By Ralph L. Cherry

If ever given the opportunity to consider the question, there appears to be no doubt that the house would overwhelmingly vote to repeal the wartime increases in excise taxes. At the last count there have been 144 excise-tax-repeal bills introduced in the house alone, which is some kind of a record in itself. At no time in the memory of the oldest observers has there ever been so many bills introduced on the same subject.

Recently the senate finance committee, by a vote of 7 to 6 that split party lines, reported H. R. 3905, a simple, house-passed bill regarding alcohol permits, with the addition of an excise tax reduction rider, and since that time various senators have filed seventeen other intended amendments, many of them proposing excise tax revision downward. In addition, nineteen other senators have introduced separate bills proposing excise tax reductions—a total of thirty-six such proposals in the senate.

Why, therefore, doesn't Congress wipe these wartime nuisance taxes off the statute books? The answer is simple:—tax legislation must start in the ways and means committee of the house, chairmanned by Representative Bob Doughton of North Carolina. Mr. Doughton would like to see the taxes repealed also, but he is even more concerned with the state of the Federal budget. With the government in the red on July 1 to the tune of $1,800,000,000 and with definite prospects of a far bigger deficit for next year. Uncle Bob isn't going to lift the lid on tax repeal until some way is found to recoup the revenue losses that would result.

Tungnuts mit Honey Yet

Representative Benjamin F. James of Pennsylvania appears to be in deep water with his constituents, all because of a militant group in Congress demanding relief for growers of tungnuts and producers of honey. Ever since the opening day of Congress the tungnut growers have had a bill pending compelling the Secretary of Agriculture to support tungnut prices at 90 percent of parity, and recently the honey producers prevailed on the agriculture committee to add honey to its provisions.

Mr. James says he needs relief too—in a way that will tell him what it is all about so that he can advise his constituents. He addressed the following open appeal to Speaker Rayburn, with the doubtful prospect of ever getting an answer:—

Mr. Speaker, I have a problem—a terrifying problem.

How can I explain to the Pennsylvania Dutch farmers why I vote for price support for tung nuts when they ask me, "Was iss der tung nuts?"

How can I save my political skin when my suburban constituents ask, "What if we ain't got no tung nuts? Who cares?"

What can I say to all of them if I vote to drop a few dimes of their taxes into the tin cups of the tung nutters when not more than a dozen of them know what a tung nut is?

My people know about potatoes and such things, but I will have to know the answers to a lot of questions if I vote for this "tung nuts mit honey" bill. Do you eat them raw or do you cook them? If you do not eat them, what are they good for?

A kind colleague has told me you make paint out of them, but I think he was kidding. An-

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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, September 11-16.
American Association for the Advancement of Science, New York, December 26-31.
American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.
American Chemical Society, Atlantic City, N. J., September 18-23.
American Gas Association, Palmer House, Morrison and Sherman hotels, Chicago, October 17-20.
American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.
American Oil Chemists Society, Edgewater Beach hotel, Chicago, October 31-November 2.
American Petroleum Institute, Chicago, November 7-10.
American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 28-30
American Soybean Association, Nicollet hotel, Minneapolis, Minn., September 6-8.
American Standards Association, Waldorf-Astoria hotel, New York, October 11-14.
Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.
Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 25.
Chemical Specialties Manufacturers Association (formerly NAIDM), Mayflower hotel, Washington, December 4-5.
Division of Food, Drug and Cosmetic Law, Section of Corporation, Banking and Mercantile Law, American Bar Association, Kiel Auditorium, St. Louis, Mo., September 7.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.
Electrochemical Society, LaSalle hotel, Chicago, October 12-14.
Exposition of Chemical Industries, Grand Central Palace, New York, November 28-December 3.
Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.
Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.
Independent Natural Gas Association of New York, Baker hotel, Dallas, Tex., October 31.
Independent Petroleum Association of America, Blackstone hotel, Fort Worth, Tex., October 2-4.
International Congress of Biochemistry, Cambridge, England, August 19-25.
International Congress of Industrial Chemistry, Barcelona, Spain, October 23-30.
International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.
International Union of Chemistry, Amsterdam, Netherlands, September 6-10.
National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.
National Butane-Propane Association, Jefferson hotel, St. Louis, Mo., September 19-21.
National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, Ga., November 14-16.
National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.
National Lubricating Grease Institute, Roosevelt hotel, New Orleans, La., October 3-5.
National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.
National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.
National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.
National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.
Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.
North American Gasoline Tax Conference, Tahoe Tavern, Lake Tahoe, Calif., September 7-10.
Oil Trades Association of New York, Waldorf-Astoria hotel, New York, October 27.
Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.
Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.
Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 14; annual meeting, Commodore hotel, December 7.
Western Conference on Packaging, Packing and Shipping and Western Packaging Exposition, San Francisco Civic Auditorium, August 9-12.

Boyd to Leave API

William R. Boyd, jr., president of the American Petroleum Institute since 1941, has notified the board of directors of that organization of his desire to retire. A committee of five directors has been appointed to select a successor. Serving on the committee are:—Eugene Holman, president, Standard Oil Company (New Jersey); George A. Hill, jr., president, Houston Oil Company; R. G. Follis, vice-chairman, Standard Oil Company of California; L. S. Wescoat, president, Pure Oil Company, and Robert H. Colley, president, Atlantic Refining Company.

Chem. Engineers to Meet

The American Institute of Chemical Engineers will hold a regional conference in Montreal on September 6 to 9. This will be the first meeting of the organization held in Canada since 1937.

Soybean Ass'n Plans Sept. Annual Meeting

The American Soybean Association has completed the program for its twenty-ninth annual meeting, to be held at the Nicollet hotel, Minneapolis, Minn., on September 6 to 8. The theme of the conference will be "Soybeans Are Worth More Money" and major presentations will be based on factors contributing to greater returns.

On the day prior to the official opening for the meeting there will be a board of directors meeting, meetings of committees, and an informal smoker. The program for the following three days will be:—

September 6

The morning session will be presided over by Ersel Walley, president of the association, and will be opened with greetings from Minnesota, Minneapolis and St. Paul, by representatives of the governor and the chambers of commerce of the two cities. In addition, Arthur Hartwell, president of the Minneapolis Grain Exchange, will speak on "Minneapolis—The World's Cash Grain Market," and Paul C. Hughes, field director of the association, will discuss "The ASA Field Program."

In the afternoon, H. P. Englich, general field headquarters, grain branch, Production and Marketing Administration, will discuss "The New Soybean Grading Standards"; George L. Prichard, director of the

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British Aromatic Compound Manufacturers Ass'n Elects

The British Aromatic Compound Manufacturers Association elected A. J. Plastow, W. H. Hobbs & Co., Ltd., chairman at its recent annual meeting in London. R. F. Gillham, Charles Zimmerman & Co., Ltd., was named vice-chairman, and the following were named to the association's committee—C. F. Bush, W. J. Bush & Co., Ltd.; S. R. Mansfield, Polak & Schwarz (England), Ltd.; W. Naumann, W. Naumann & Sons, Ltd.; J. A. Pentecost, A. Boake Roberts & Co., Ltd., and W. C. Slater, Essences & Synthetics, Ltd.

The retiring chairman, Mr. Bush, detailed the working of the aromatic advisory panel, which was formed at the instigation of the Board of Trade. He explained that the panel consists of representatives of the Toilet Preparations and Perfumery Manufacturers Federation of Great Britain and of the BACMA, and that it advises the Board of Trade on the suitability of British manufactured aromatic products as substitutes for comparable products imported from hard currency sources.

Plastics Show Planned In Norway Sept. 19-30

The Norwegian Industries Development Association has announced the sponsoring of an international plastics exposition to be held in Oslo, September 19 to 30. United States producers are being invited to participate. Emphasis of the exposition is being placed on the strides that have been made by the industry in recent years, particularly in the development of raw materials. The displays will be concerned largely with raw materials and intermediate products and finished articles will be shown only in cases where new raw materials have been used.

Packaging Machinery Inst. To Meet Oct. 31-Nov. 2

The Packaging Machinery Manufacturers Institute will hold its seventeenth annual meeting at the Edgewater Beach hotel, Chicago, on October 31 to November 2. John P. Corley, vice-president of the Miller Wrapping & Sealing Machine Company, Chicago, is chairman of the program committee.

NCA Plans 1950 Meeting

The National Confectioners Association will hold its sixty-seventh annual meeting at the Waldorf-Astoria hotel, New York, on June 4 to 9, 1950. Concurrently, the association's twenty-fourth confectionary industries exposition will be held at Grand Central Palace.

TGA Forms New Committee

The Toilet Goods Association has formed a special committee, consisting of advertising and promotional persons, to consider special problems of marketing and merchandising in the field of manicure preparations, especially nail enamels.

Naval Stores Program Discussion Planned

Plans for the 1948-50 Naval Stores Conservation program will be discussed at a meeting in the offices of the American Turpentine Farmers Association, Valdosta, Ga., on August 25. No major change from last year's program is anticipated, but suggestions from producers have been invited. An invitation to all producers to attend the meeting has also been extended.

In addition to ATFA and NSCP officials, the following Forest Service offcials are expected to attend:—R. E. McArdle, assistant chief, and Billy Welsh, project chief in the Washington office of the Forest Service; Herbert Stone, regional forester, and Charles Evans, assistant, of the Atlanta office of the service, and Ernest De Silvia and John Nevers, of the Valdosta office.

CSMA Appoints Fuld Meeting Program Head

The Chemical Specialties Manufacturers Association, formerly known as the National Association of Insecticide and Disinfectant Manufacturers, has appointed Melvin Fuld, Fuld Bros., Inc., Baltimore, chairman of the program committee for its annual meeting, scheduled to be held in the Mayflower hotel, Washington, on December 5 and 6.

Mr. Fuld has announced that the program for the December meeting will follow the general pattern set up for the June meeting. That is, there will be programs on aerosols; disinfectants, deodorants and sanitizers; insecticides; soaps, detergents and sanitary products, and floor wax and finishes, in addition to two general sessions. The chairman has set the early part of November as a deadline for suggestions as to subjects for discussion at the meeting.

DCAT Annual Meeting To Hear Cullen Speak

Dr. Frederick J. Cullen, executive vice-president of the Proprietary Association of America, will be the featured speaker at the annual meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, to be held at the Shawnee Inn, Shawnee-on-Delaware, Pa., on September 22 to 24.

Speaking at the single business session, scheduled for the afternoon of September 23, Dr. Cullen will discuss the activities of Federal agencies most vitally affecting the drug, chemical and related industries. Other matters to be taken up at the business session will include the election of an executive committee and the presentation of annual reports.

Ceramic Society Presents Purdy Award to Insley, Hall

Dr. Herbert Insley, chief of the mineral products division of the National Bureau of Standards, and Dr. F. P. Hall, assistant director of research of the Onandaga Pottery Company, were presented with the Ross Coffin Purdy Award of the American Ceramic Society at the society's recent Annual Convention in Cincinnati. The first to be so honored, Drs. Insley and Hall were cited for their outstanding contribution to ceramic literature. They are the authors of the book, "Phase Diagrams for Ceramists."

NPC Appoints Petroleum Imports, Reserve Groups

The National Petroleum Council has appointed a committee on petroleum imports, headed by George A. Hill, jr., Houston Oil Company of Texas, and a committee on crude petroleum reserve productive capacity, headed by L. F. McCollum, Continental Oil Company.

ASA to Hear Compton

Dr. Karl T. Compton, chairman of the research and development board of the National Military Establishment, will address the annual meeting luncheon of the American Standards Association at the Waldorf-Astoria hotel, New York, on October 14. The meeting will be held at that hotel from October 11 to 14.

Cortisone to be Allocated Through Science Academy

The recent publication by Hench, Kendall, Slocumb, and Polley of the dramatic effectiveness of the adrenal cortical steriod, cortisone (first isolated by E. C. Kendall), in the treatment of rheumatoid arthritis has posed an important problem of distributing the very limited amount of that substance which will be obtainable during the remainder of this year. It has been decided, therefore, that the small amount which can be made during the last five months of 1949 shall be used only for clinical and experimental research and will be available only to investigators who are in the best position to provide the information vitally needed to insure its safe and effective use.

The Research Corporation, a nonprofit organization which administers patents in the interest of public welfare and for the furtherance of scientific research, has aided in the development of the synthetic processes for making cortisone. The corporation will continue to further the development of these processes and to stimulate research on the mechanisms of action of the compound. In fulfilling these functions, the Research Corporation has requested the president of the National Academy of Sciences to appoint a committee on investigation of cortisone, with assurance that its recommendations will be accepted as final with respect to all of the available 1949 supply.

Keefer Heads Committee

The membership of the committee, appointed with the sanction of the council of the academy, is as follows:—Chester S. Keefer, who headed the allocation of penicillin and streptomycin in the early days of those drugs, chairman; Hans T. Clark; E. A. Doisy; Robert F. Loeb; C. N. H. Long; E. K. Marshall jr., and Joseph T. Wearn. David E. Price has been appointed Acting Surgeon General to act as liaison between the committee and the United States Public Health Service.

Applications for a supply of cortisone must be submitted on a form that can be obtained from the chairman of the committee at 2101 Constitution avenue, Washington 25, D. C. It is emphasized that consideration will only be given to requests from institutions where adequate facilities for investigation and clinical control are available.

Merck to Cooperate

"The committee appointed by the National Academy of Sciences for the allocation of cortisone wil be given full and complete cooperation by Merck & Co.," George W. Merck, president, stated Friday. He said that this committee provides an orderly means for advancing knowledge of this new hormone and best serves the public interest. The company

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Slawter Named to SCI American Section Post

The American section of the Society of Chemical Industry has appointed Paul B. Slawter jr., vice-president of the House of J. Hayden Twiss, director of public relations. Mr. Slawter is executive secretary of the Salesmen's Association of the American Chemical Industry; associate editor of *The Consultant*, publication of the Association of Consulting Chemists & Chemical Engineers; editor of the *Chemists' Club News*, and member of the advisory council of the American Institute of Chemists.

Trigg Resigns Position As NPVLA Adv. Chairman

Ernest T. Trigg, former president of the National Paint, Varnish and Lacquer Association, has resigned as chairman of that organization's general advertising committee for reasons of health. Joseph A. Battley, current president of the association, accepted Mr. Trigg's resignation with a request that he continue to serve in an advisory capacity.

Merck Fellowship Awarded

Paul S. Farrington, of the California Institute of Technology, has been chosen as the first recipient of the $2,500 Merck Graduate Fellowship in Analytical Chemistry. The fellowship, established last year by Merck & Co., Rahway, N. J., goes to the applicant whom the American Chemical Society's award committee considers likely to "contribute most to the advancement of the theory and practice of analytical chemistry during the tenure of the fellowship and the course of his future career."

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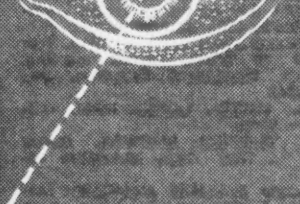
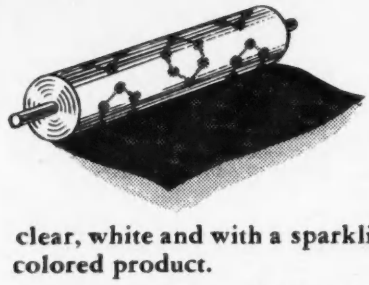
TEXTILE INDUSTRY is quick to recognize a better AMMONIUM THIOCYANATE

(Sulfocyanate)





What makes Baker's Ammonium Sulfocyanate so popular in the Textile Industry?

There are at least ten reasons—but basically it starts with one factor—Baker's raw materials in themselves are better than 99.7 per cent pure! And each Baker Thiocyanate is an all synthetic product.

That means you get a chemical that is colorless, clear, white and with a sparkling crystalline structure, rather than the usual cream-colored product.

It means you have stability of composition, a retaining of original white appearance rather than gradual discoloration upon aging. The needle-like crystals assure ready solubility.

It means Baker's Ammonium Thiocyanate never becomes "sloppy." Baker ships in a fiber moisture-resistant drum with friction cover-tops rather than in the conventional wooden barrel, to safeguard against atmospheric moisture.

It means that with Baker controlling the raw materials you are assured of uniform quality and scheduled availability.

Whether you use Ammonium Thiocyanate (Sulfocyanate) as an ingredient in printing paste—or a catalyst for the polymerization of resins—you'll want to sample Baker's and compare! We urge to you to write for test sample and prices. Address: J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, N. J.

ANALYZED REAGENTS Baker's FINE CHEMICALS

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

August 5, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).
Acenaphthene, m.p. below 92.5 C., dms., works lb. .40 - —
above 92.5 C. dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., works lb. .11½- .12½
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt. alld. E lb. .14½- —
tanks, frt. alld. E lb. .11½- —
Acetoacetanilide, bbls., dlvd lb. .67½ - —
fib. dms., c.l., dlvd lb. .66½- —
l.c.l., dlvd lb. .67½- —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib. dms., c.l., works lb. 1.14 - —
l.c.l., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½- .10
tanks, dlvd lb. .07½- —
Acetyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33
Acetophenone, cns., dms lb. 1.30 - 1.85
Acetyl, tech., l.c.l., dms., works lb. .75 - —
Acetylacetoparaphenetidide, d m s., 500 lbs. or more, works. lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. 50 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½- —
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
USP, cbys., works 100 lbs.15.50 - —
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech. (see Arsenic, white).
Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.85
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .43 —
USP, bbls., dms., 100 lbs. up lb. .54 - —
Benzoylnaphthoic, bbls., works lb. 1.25 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots ex whse, N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots ex whse., N. Y. or Chi ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi ton.155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots ex whse., N. Y. or Chi ton.140.00 - —

Acid, boric, tech., 99½%, powd., less ton lots, same basis ton.145.00 - —
bbls., c.l., works ton.115.25 - —
ton lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bulk, c.l., works ton.91.75 - —
USP $25 per ton higher.
Broener's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms lb. 5.25 - 7.00
Capric, tech., dms lb. .50 .50½
Caprylic, 99%, dms lb. .50 .50½
Castor oil, split, dms lb. .21 .22
Chlorosulphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½ —
l.c.l., works lb. .26 .27
USP, 5 lb. bots. lb. .32 —
Cinnamic, refd., bots lb. 2.50 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't lb .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½ —
Anhydrous citric acid powder, ½c. per lb. higher
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½ —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 .66
Coconut oil, dist., dms lb. .21¼- .22¼
double dist., dms lb. .23¼- .24¼
Corn oil, s.d., dms lb. .10 Nom.
Cottonseed oil, dist., dms lb. .09½- .10½
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .91 - —
l.c.l., non-ret. dms., same basis gal. .94 - —
ret. dms., c.l., same basis lb. .88 - —
l.c.l., same basis lb. .91 - —
tanks, same basis gal. .80 - —
50% at 204° to 207° C, c.l., non-ret. dms., same basis gal. .96 - —

Acid, cresylic, dom., coaltar, 50% at 204°-207° C. non-ret. dms., l.c.l., same basis gal. .99 - —
ret. dms., c.l., same basis. lb. .93 - —
l.c.l., same basis lb. .96 - —
tanks, same basis gal. .85 - —
Petroleum, 179° C to 198° C., San Francisco and Los Angeles, tanks gal. 1.00 - —
195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .95½- —
l.c.l., same basis gal. .97½- .99½
tanks, same basis gal. .85 - —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .77 - —
l.c.l., same basis gal. .79 - .81
tanks, same basis gal. .665 - —
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .72½- —
l.c.l., same basis gal. .74½- .76½
tanks, same basis gal. .62 - —
Crotonic, bbls. Canadian works lb .35 —
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb 29½- —
F, bbls., works lb. 1.87 - 1.93
Folic, bots., fib. ctns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000 lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48
Gamma, bbls lb. 1.20 - —
Gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 - —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb. lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —
Glycerophosphoric, 35%, dms., works lb. 2.15 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. 73½- —
Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic)
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .35 - —

Acid, hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorus, USP, dms lb. .75 - .77
J, bbls., works, 20% basis lb. 2.50 - —
L, bbls., works lb. .95 - —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 20 bbls. or more. lb. .28½- .33
plastic grade, 50%, bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb. .23 - .23½
60%, dms. lb. .25 - .25½
Linseed oil, reg dist., dms .3180- .3230
water-white, dms .3480- .3530
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms. lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit .05 - .06
sulphuric unit .0085 - .009
Molybdic, dms., 85%-92%, works lb. .92 - .95
Monochloroacetic, purified, flake, 99%, dms lb. .22½- .23¼
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14½- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - —
Nicotinic, USP, dms., works kilo. 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11¼- —
l.c.l., same basis lb. .13 - .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15¼- —
l.c.l., same basis lb. .17 - .18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming)
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼ .21¾
Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 - —
smaller lots, same basis lb. 3.85 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb.14.00 -15.00
smaller lots lb.14.05 -16.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 .95
Peanut oil, s.d., dms lb. .12¼ Nom.
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Abbreviations
Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
artif.	artificial	E.	east	ord.	ordinary
ASTM.	American Society for Testing Materials	e.p. equald.	end point equalized	oz.	ounce
		F. ferment.	fahrenheit fermentation	Pac.	Pacific
Be.	Baume	ffa.	free fatty acid	pf.	proof
bgs.	bags	ffc.	free from chlorine	phos.	phosphate
bbls.	barrels	fib.	fiber	photo.	photographic
bls.	bales	f.o.b.	free on board	pkgs.	packages
bots.	bottles	F.P.A.	free of prussic acid	powd.	powdered
b.p.	boiling point	frt.	freight	precip.	precipitated
b.p.l.	bone phosphate of lime	fus.	fused	prod.	producer
b.r.	boiling range	gal.	gallon	pt.	point
bxs.	boxes	gran.	granular	pulv.	pulverized
C.	centigrade	grd.	ground	purif.	purified
cbys.	carboys	i.&a.	iron and aluminum	redist.	redistilled
CD	completely denatured	i.b.p.	initial boiling point	refd.	refined
c.i.f.	cost, insurance, freight	imp.	imported	refy.	refinery
cks.	casks	incl.	included	reg.	regular
c.l.	car lots	indust	industrial	resub.	resublimed
cns.	cans	kgs.	kegs	ret.	returnable
col.	color	lacq.	lacquer	SD	specially denatured
com'l	commercial	lb.	pound	s.d	single distilled
conc.	concentrated	l.c.l.	less than car lots	S. E.	southeast
CP	chemically pure	liq.	liquid	secs.	seconds
cps.	centipoises	m.a.p.	mixed aniline point	s.g.	specific gravity
cryst	crystal	min.	minimum	ship't	shipment
cs.	cases	m.p.	melting point	solut.	solution
ctns.	cartons	N	nitrogen	s.u.	standard unit
cyls.	cylinders	nat.	natural	synth.	synthetic
dbl.	double			tech.	technical
denat.	denatured			USP	U. S. Pharmacopoeia
dest.-dist.	destructive-distilled			vis	viscosity
dextro.	dextrorotatory			VM&P	varnish makers & painters
dist.	distilled			W	west
				w.w.	water white
				whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material

Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls. lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. 18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 3.45 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .33 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single dist., dms. lb. .1160- .1325
double dist., dms lb. .1260- .1425
Stearic, double pressed, bgs lb. .13½- .14½
single pressed, bgs lb. .13 - .14
triple pressed, bgs lb. .15¾- .16¾
Succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.13.75 - —
66° Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.17.00 - —
98%, tanks, E. works ton.18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton.19.00 - —
Tallow, dist., dms lb. .09½- .10½
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
Imported, kgs lb. .34 - .36
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
c.l., tanks lb. .18½- —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls lb. .55 - .60
Root, bbls. lb. .55 - .60
Aconitine, amorph., mild, bots oz.27.50 -32.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP, Kobe, No. 1 strip lb. 2.40 - 2.60
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls lb. .35 - .40
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls. lb. 2.18 - 2.25
powd., bbls lb. 2.23 - 2.30
tech., cryst., bbls lb. 1.10 - 1.15
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31½- —
works lb. .32½- —
l.c.l., dlvd lb. .32½- —
works lb. .33 - —
tanks, dlvd lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 - —
l.c.l., frt. alld. E. of Miss lb. .17 - —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, dms. lb. .60 - .85
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
tankwagon, frt. alld lb. .13 - —
other production, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
synthetic, normal, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
secondary, dms., c.l., frt. alld. lb. .11½- —
l.c.l., dlvd., frt. alld lb. .12 - —
tanks, dlvd., frt. alld lb. .10 - —
tertiary, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R gal. .46½- .51½
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R gal. .41½- —
l.c.l., same basis gal. .45½- .50½
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 - —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 - —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .43 - —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R. gal. .40½- —
l.c.l., same basis gal. .44½- .49½
tanks, same basis fal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R gal. .42½- —
l.c.l., same basis gal. .46½- .51½
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd. lb. .13½- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal.17.49 - —
l.c.l., same basis gal.17.53 -17.58
tanks, same basis gal.17.39 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal.18.44 - —
l.c.l., same basis gal.18.48 -18.53
tanks, same basis gal.18.34 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .38 - —
l.c.l., dlvd gal. .41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd. gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .40 - .45
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .17½- .18
Allyl bromide, cnys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs. lb. .23 - .24
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 4.40
Alphanitronaphthalene, bbls lb. .34 - —

PUT YOUR PRODUCT IN THE NATIONAL SPOTLIGHT

Decorated to ATTRACT

Built to PROTECT

Designed to SELL

These sales-attracting metal containers have been designed, lithographed and manufactured by National Can for one of the nation's leading makers of toilet goods. They deliver full protection to a fine product and also provide a strong point-of-sale appeal. And the fact speaks for itself that National Cans have been ordered not for this product alone, but for other items in this manufacturer's line.

National Can offers lithography leadership not only for the drug and toilet goods industry, but for every field where a metal container must sell as well as protect a product.

With National Can you benefit from containers consistently made to rigid standards of accuracy and high quality. But that is just a part of a complete service which includes design, art, photography, color consultation as well as lithography. Consult National Can as to how the attractiveness, protection, and sales value of your containers can be improved.

C140

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Executive Offices: 110 EAST 42nd STREET, NEW YORK 17, N. Y.

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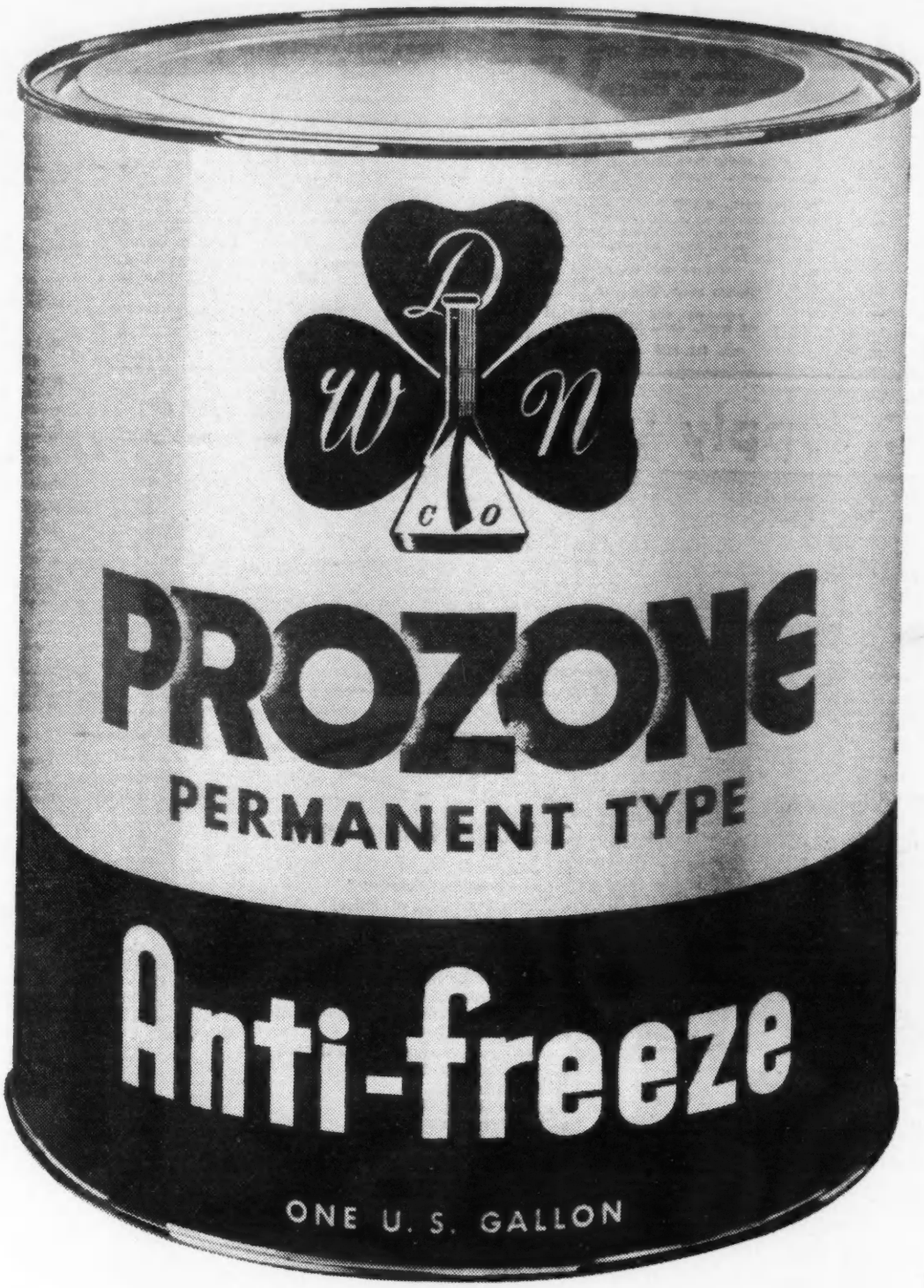


WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.

TELEPHONE OREGON 9-2550

CABLE—"WILNEUBERG"

Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .27 - .30
l.c.l., works, frt. equald..lb. .29½- .30
Alphapinene, tanks, South, works..gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E..lb. .18 - —
Alphatocopherol, bots. ..kilo.450.00 - —
Acetate, bots. ..kilo.450.00 - —
Althea root, NF, peeled, bls ..lb. .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works ..100 lbs. 4.05 - —
powd., bbls., works ..100 lbs. 4.20 - —
USP, burnt, bbls. ..lb. .20 - .21
hydrous, bbls. ..lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works ..100 lbs. 4.30 - —
powd., bbls., works ..100 lbs. 4.45 - —
USP, hydrous, bbls. ..lb. .07¾- .08
Potash-chrome, bbls ..lb. .12½- .15
Soda, bbls., c.l., works ..100 lbs. 3.25 - —
l.c.l., dlvd ..100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works..lb. .0365- —
l.c.l., works..lb. .0525- .0725
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works..lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., dlvd..lb. .10 - —
l.c.l., dlvd. ..lb. .10½- —
cryst., com'l, dms., c.l., works.lb. .0650- —
l.c.l., works ..lb. .0690- —
NF, gran., dms., works ..lb. .27 - .28
solution, 32°, cbys., c.l., works.lb. .03¼- —
l.c.l., works..lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., frt. equald..lb. .10 - —
l.c.l., frt. alld..lb. .11 - .13
Formate, basic solution, cbys., c.l..lb. .09½- —
l.c.l., works..lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald..ton.50.00 -54.00
l.c.l., works..ton.72.00 -86.00
light, bgs., dlvd..lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works..lb. .21¼- —
contract, works..lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works ..lb. .17¼- —
dried, USP XII, fib. dms., works, lb. .79½- —
contract, works ..lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls..lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .27 - —
pigs, 10,000 lbs ..lb. .16 - —
Naphthenate, liquid, 1.7%, frt. alld..lb. .24½- .25
Oleate, dms., precip..lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld..lb. .14 - .15
kgs., ton, frt. alld..lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld..lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld..lb. .34 - —
Oxide, crystalline, flour, classified, 600 mesh, dms., frt alld..lb. .51 - .53
kgs., frt. alld..lb. .50 - —
optical, floated, kgs., dlvd..lb. .36 - .86
unclassified, dms., frt. alld, lb. .16 - .17
kgs., frt. alld..lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works..lb.13.50 - —
jars, works..lb.15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms..lb. .58 - —
standard, dms..lb. .39½- —
Powder, lining, extra fine, dms..lb. .96 - —
standard, dms..lb. .64½- —
rubber comp., dms..lb. .48½- —
unpolished, standard, dms..lb. .44½- —
varnish, standard, dms..lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1½c. per lb. for 50-lb. drm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 or over.

Resinate, precip., dms., frt. alld.lb. .24 - —
Stearate, dibasic, ctns., c.l..lb. .30 - —
l.c.l. ..lb. .31 - —
monobasic, ctns., c.l..lb. .30 - —
l.c.l. ..lb. .31 - —
tribasic, ctns., c.l..lb. .30 - —
l.c.l. ..lb. .31 - —

Aluminum sulphate, com'l, bgs., c.l., works, equald..100 lbs. 1.50 - —
l.c.l., same basis..100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., works..100 lbs. 3.15 - —
NF, gran., dms., works..lb. .27 - .28
powd., dms., works..lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins..oz. 8.50 -12.00
Aminoazotoluene, bbls..lb. .85 - —
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works..lb. .51½- —
l.c.l., works ..lb. .52 - —
tanks, works ..lb. .50 - —
Aminophylline, USP, bots., kgs ..lb. 6.00 - —
Aminopyrine, USP, bots., dms..lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.74.00 -75.00
pure, cyls., extra..lb. .17 - .21½
refrigeration, tanks, works..ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works..100 lbs. 3.10 - —
l.c.l., works..100 lbs. 3.50 - —
tanks, works, anhyd. basis..ton.80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 6.55 - —
l.c.l., same basis..100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works..100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars..lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld..lb. .81 - 1.08
Biborate, bbls., c.l., works..ton.302.00 - —
ton lots, works..ton.355.50 - —
less ton lots, works..ton.360.50 - —
Bicarbonate, dms., works, c.l..lb. .05½- —
l.c.l., works, dms..lb. .06 - —
Bichromate, bbls., works..lb. .31 - .32
Bifluoride, dms., dlvd ..lb. .18 - .18½
Bromide, gran., NF, bbls..lb. .36 - .37
dms. ..lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .18½- .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms..lb. .18 - .19
Citrate, dibasic, bbls..lb. .75 - —
dms. ..lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms..lb. 2.40 - —
Iodide, NF, jars..lb. 3.94 - 4.06
Linoleate, plastic, 80%, dms., works..lb. .40½- —
kgs., works ..lb. .42½- —
25%, dms., frt. alld..lb. .21½- —
tech., bbls., works..lb. .37 - —
dms., works..lb. .39 - —
Molybdate, metal grade, kgs..lb. .90 - —
chemical grade, bbls., kgs..lb. .85 - —
A.C.S., grade, dms..lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.63.00 - —
dom., bgs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton.46.00 - —
Oleate, dms., precip..lb. .23¼- —
Oxalate, fine gran., dms..lb. .25 - .29
dms., 100 lbs., lots..lb. .27 - .31
Pentaborate, gran., bbls., c.l., works..ton.212.00 - —
ton lots, works..ton.265.50 - —
less ton lots, works..ton.270.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works..lb. .50 - .75
Persulphate, kgs..lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works..lb. .08½- —
dibasic, NF V, bbls., dms..lb. .40 - —
tech., bgs., c.l., works..lb. .08 - —
l.c.l., works..lb. .08½- —
Salicylate, NF, dms., kgs..lb. 1.25 - 1.28
Silicofluoride, dms., works..lb. .12 - .13
Stearate, 28%, dms..lb. .21 - .31
paste, dms..lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens..ton.45.00 -50.00
converters', bulk, works..ton.45.00 -50.50
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10½- —
l.c.l., works..lb. .15½- —
tanks, dlvd. or frt. alld.lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works..lb. .15 - —
l.c.l., works..lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys..lb. 1.70 - 2.25
commercial, same basis..lb. 1.40 - 1.95
Thiosulphate, jars..lb. .32 - .36
Amphetamine hydrochloride, dextro, dibasic, bots..lb.40.00 - —
monobasic, bots..lb.38.00 - —
dextro-laevo, dms..lb. 7.50 - —
phosphate, dextro, dibasic, bots. lb.40.00 - —
dextro-laevo, dibasic, dms..lb. 7.50 - —
monobasic, dms..lb. 7.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .16½- —
l.c.l., dlvd..lb. .17½- —
tanks, dlvd..lb. .15 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .16 - —
l.c.l., same basis..lb. .17 - —
tanks, same basis..lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms..lb. .90 - 1.00
Nitrite, USP, bots..lb. 1.75 - 1.83
Salicylate, cns., dms..lb. .76 - .81
Anethol, com'l, dms., works..lb. .50 - —
NF, cns., dms..lb. .77 - .82
Angelica root, dom., bls..lb. .65 - .70
imported, bls..lb. .70 - .75
Angostura bark, bls..lb. .44 - .49
Anilin oil, dms., c.l., works, frt. alld..lb. .16 - —
l.c.l., works, frt. alld..lb. .17 - —
tanks, works, frt. alld..lb. .15 - —
Salt, dms., works..lb. .26 - —
Anise, Argentine, bgs..lb. No stocks.
Chinese, star..lb. .12½- .13
Cyprus, bgs..lb. .20 - .20½
Mexican, bgs..lb. .14½- .15
Syrian, bgs..lb. .14½- .15
Anisic aldehyde, bots., dms..lb. 2.05 - 2.20
Annatto paste, bxs..lb. .34 - .37
Seed, bgs..lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works..lb. .81 - 1.00
Anthraquinone, 98.5%, bbls..lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys..lb. .29 - .30
Metal, bulk, c.l., mines..lb. .38½- —
Oxide, ceramic grade, bgs., c.l., dlvd..lb. .32 - .34
l.c.l., dlvd..lb. .33 - .35
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works..lb. .36¾- .37

Let CALCO supply you SULFA DRUGS

CALCO, in its great plants at Bound Brook, N. J., produces a wider range of SULFA DRUGS than any other manufacturer. In these giant-capacity plants, rigid inspection from laboratories through to finished big-scale production assures a uniform excellence of quality and an assured source of supply. This is why you will find it advantageous to look to CALCO for these sulfonamides:

SULFADIAZINE U.S.P.
"King of the Sulfonamides"
Powder . . . or . . . Micro Crystal

Sodium Sulfadiazine U.S.P.
Sulfamerazine
Sodium Sulfamerazine
Sulfanilamide U.S.P. (powder, crystal, micro crystal)
Sulfathiazole U.S.P. (powder, crystal, micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine U.S.P.
Sodium Sulfapyridine

Detailed technical bulletins are available on all these products and CALCO'S Technical Application Department will welcome the opportunity to assist you in the development of special formulae.

Represented in Canada by Calco Chemical Division, North American Cyanamid, Limited, P. O. Box 10, St. Lambert, Montreal 23, P. Q. Royal Bank Bldg., Toronto 1, Ontario.

Pacific Coast Stock, Sales and Service Departments maintained at Calco Chemical Division, American Cyanamid Company, 2472 East Eighth Street, Los Angeles 21, Calif.

Calco

CALCO'S Bulk Pharmaceuticals*

Sulfadiazine U.S.P.
(powder and micro crystal . . . the Sulfa drug of choice)
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
(powder and micro crystal)
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Folic Acid
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl.
Para Aminosalicylic Acid
Pyridoxine HCl.
Saligenin
Propylthiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use

*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

PHARMACEUTICAL DEPARTMENT · CALCO CHEMICAL DIVISION

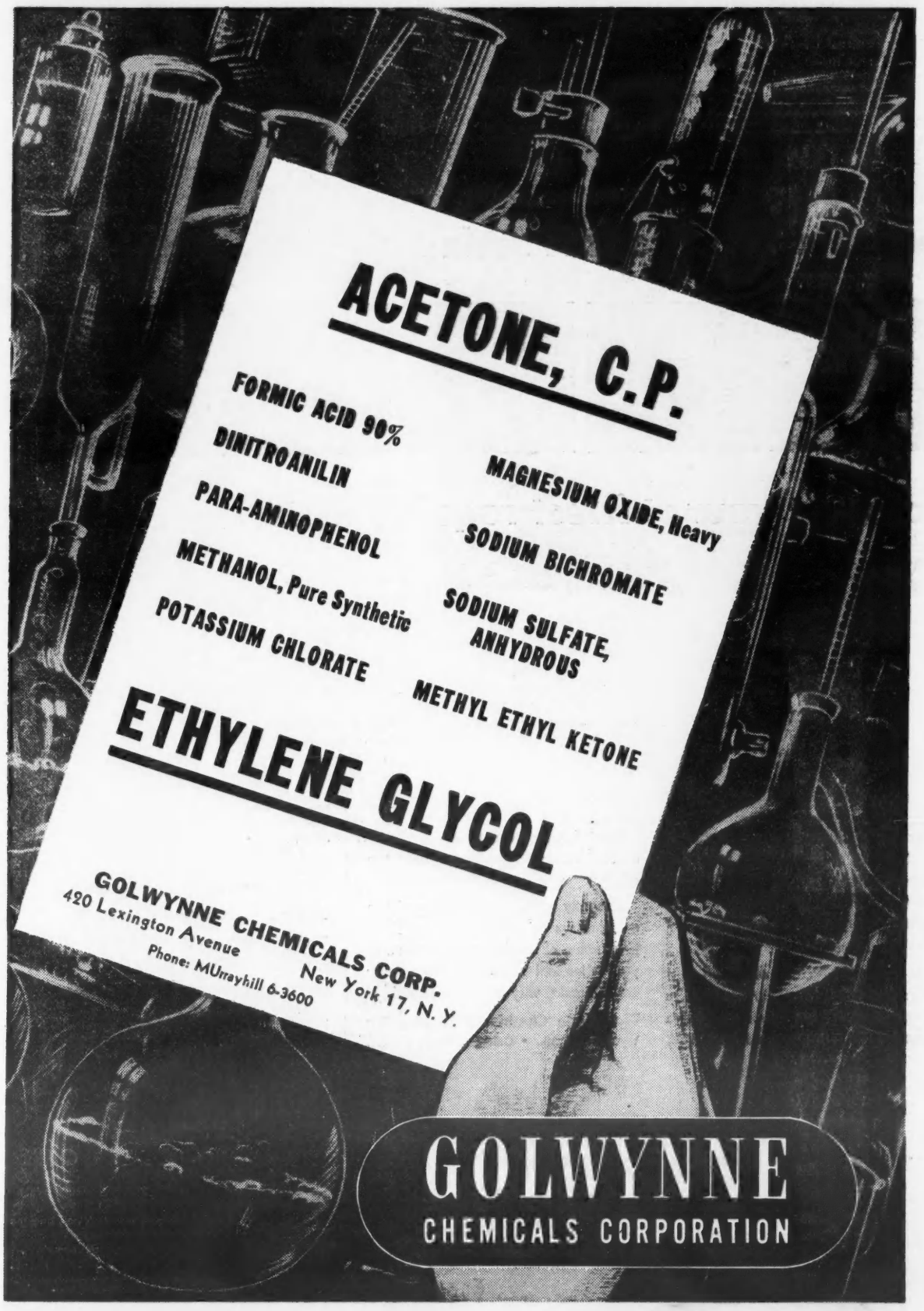
AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss ..... lb. No stocks.
Sulphide, 62-64%, bbls., c.l., dlvd. lb. .25 - —
l.c.l., dlvd ..... lb. .27 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms ..... lb. 2.35 - 2.45
Apomorphine, USP, bots. ..... oz. 23.20 -23.70
Archil extract, bbls ..... lb. No stocks.
Areca nuts, powd., bbls ..... lb. .22 .25
Arecoline hydrobromide, NF, bots. oz. 6.10 - 6.75
Arginine hydrochloride, laevo kilo. 140.00 -150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 -18.50
Arnica, flowers, bls ..... lb. .45 - .90
root, bls. ..... lb. 1.45 - —
Arrowroot, powd., bgs ..... lb. .13 .16
Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd. bbls., c.l., dlvd lb. .06 —
l.c.l., dlvd ..... lb. .06¾- .07
Asafetida, cs ..... lb. .32 - .35
powd., bbls., dms ..... lb. .50 .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines ton. 88.00 - —
5R, bgs., c.l. (20 tons), same basis ton. 79.00 - —
6D, bgs., c.l. (30 tons), same basis ton. 59.00 - —
7D, bgs., c.l. (30 tons), same basis ton. 52.50 - —
7F, bgs., c.l. (30 tons), same basis ton. 49.50 - —
7K, bgs., c.l. (30 tons), same basis ton. 35.50 - —
7M, bgs., c.l. (30 tons), same basis ton. 31.00 - —
7R, bgs., c.l. (30 tons), same basis ton. 30.00 - —
7RF, bgs., c.l., same basis ton. 31.00 - —
7T, bgs., c.l., same basis ton. 28.50 - —
7TF, bgs., c.l., same basis ton. 31.00 - —
Asphaltum, cut-back, tanks, tank wagon, refinery ..... gal. .09 - —
Emulsion, tanks, tank wagon, refinery ..... gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton. 31.00 - —
Jet, bgs., ton lots, gross weight, Colo. mines ton. 36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .13
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery ton. 22.00 - —
80-300 penetration, tanks, tankwagon, refinery ..... ton. 21.00 - —
Atropine, USP, bots. ..... oz. 13.50 -15.00
Sulphate, USP, bots. ..... oz. 10.35 -12.00

B

Bacitracin, bulk, unlabeled, topical, 2,000 units vial. .40 - —
10,000 units ..... vial. .78 - —
50,000 units ..... vial. 2.86 - —
Balm of Gilead buds, dried, bgs. lb. 1.40 - 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs ..... lb. .60 - .65
tree bark, bgs ..... lb. .53 - .55
Barbital, USP, dms. ..... lb. 4.50 - —
Sodium, USP, dms. ..... lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 72.50 -80.00
smaller lots, works ..... ton. 82.50 -90.00
Chlorate, kgs., works. ..... lb. .25½- .31
Chloride, NF, cryst., dms ..... lb. .17 - .18
tech., bgs., c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ..... ton. 100.00 - —
Chromate, bgs., frt. equald ..... lb. .31½- .32
Dioxide, dms., c.l., works ..... lb. .12 - —
l.c.l., works ..... lb. .12 - —
Hydrate, crystals, bgs. ..... lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .11½- —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l ..... lb. .34 - —
smaller lots ..... lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls ..... lb. .12½- .13
Sulphide, dms., c.l., works ..... ton. 55.00 - —
l.c.l., works ..... ton. 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l., works ..... lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton. 35.05 - —
l.c.l., same basis ..... ton. 36.85 - —
ex whse., N. Y. ..... ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls ..... lb. .75 - 1.10
Root, bls ..... lb. .45 - .50
Bauxite, bulk, mines ..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 —
Benzaldehyde, NF, dms ..... lb. .68 - —
tech., cbys., dms ..... lb. .45 - —
Benzal chloride, cbys., works ... lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
11% gamma, tech., bgs., dms., c.l., works. lb. .27½- —
l.c.l., works ..... lb. .29¾- —
6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd ..... lb. .16 - —
wet, distributors, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd ..... lb. .17½- —
Benzidin base, bbls ..... lb. 1.02 —
Benzocaine, cns ..... lb. 3.25 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. gal. .20 —
Benzophenone, dms ..... lb. 1.15 - 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb. .35 - —
less ton lots, same basis lb. .37 - —
Benzcyl chloride, cbys., dms., c.l., works, frt. eq. lb. .20½- .21
l.c.l., same basis ..... lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb .30 1.00
Benzyl acetate, f.f.c., dms. ..... lb. .80 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .88 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald. lb. .19 - .19½
l.c.l., same basis ..... lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns ..... lb. 3.00 - 4.00
Formate, cns ..... lb. 1.60 - 3.50
Propionate, bots ..... lb. 1.34 - 2.30
Salicylate, bots. ..... lb. 1.55 - 2.25
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots ..... lb. 8.90 - 9.00
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls ..... lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 .23½
l.c.l., works ..... lb. .21½- .24
Betamethylnaphthalene, m.p., 32°C., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works ..... lb. .30 - —
l.c.l., works ..... lb. .32 - —
Benzoate, fib. dms., works ..... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .80 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots ..... lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works lb. 1.35 - —
98%, dms., c.l., works ..... lb. 1.85 - —
Beth root, bls. ..... lb. .45 - .50
Biotin, cryst. ..... gram. 12.50 - —
Bismuth chloride, jars ..... lb. 3.95 - —
Bismuth citrate, USP VIII, jars. lb. 3.27 - —
Hydroxide, dms ..... lb. 4.18 - —
Metal, bxs., ton lots ..... lb. 2.00 - —
Nitrate, cryst., dms ..... lb. 1.85 - —
Oxychloride, dms ..... lb. 3.97 - —
Oxide, anhydrous, dms ..... lb. 4.60 - —
Phenolsulphonate, fib. dms ... lb 4.70 - —
Subcarbonate, USP, dms. ... lb. 2.80 - —
Subgallate, NF, fib. dms. ... lb. 2.75 - —
Subiodide, fib. dms. ..... lb. 4.90 - —
Subnitrate, NF, dms ..... lb. 2.30 - —
Subsalicylate, USP, dms. ... lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point ..... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd ... lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works ..... lb. .0690- —
l.c.l., dlvd. or whse ... lb. .1125- .117
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse. lb. .13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse ..... lb. .09¾- —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse ..... lb. .09 - —
Black, carbon, furnace, semi-reinforcing, bgs., c.l., works lb. 03½- —
ctns., l.c.l., whse ..... lb. 07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse ... lb .1125- .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works ..... lb. .11 - —
Lamp, bgs., c.l., works ..... lb. .07 - .30
Mineral, bgs., works ..... lb. 0160- 0675
Black ash (see Barium sulphide).
Blackberry root, bls. ..... lb .12 .13
bark of root, bls ..... lb. .30 - .32
Black dyes (see Dyes).
Black haw, root, bark, bls ..... lb. .70 - .80
Tree bark, bls ..... lb. .28 .30
Black Indian hemp root, bls. ..... lb. .45 .50
Blanc fixe, dry, by-product, bgs., c.l., works ton. 77.50 - —
l.c.l., works ..... ton. 85.00 - —
direct process, bgs., c.l., works ton. 85.00 - —
l.c.l., works ..... ton. 90.00 - —
N. Y. whse ..... ton. 108.00 - —
bbls., c.l., works ..... ton. 90.00 - —
l.c.l., works ..... ton. 93.00 - —
N. Y. whse. ..... ton. 113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 67.00 - —
l.c.l., same basis ..... ton. 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..... 100 lbs. 4.75 - —



Blood, Dried—Calcium Cyanide

Blood, dried, 16-16½% ammo., bgs., unit-ton. 9.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 10.00 - —
soluble, bgs., c.l. lb. .17 - .19
l.c.l. lb. .18 - .25
Bloodroot, bls. lb. .43 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .45 - —
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26¼
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb. 2.60 - 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .09 - .10
Bone, raw, bulk, Chicago ton. 75.00 - —
junk, bulk, same basis ton. 50.00 - 52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton. 70.00 - —
Chicago, works ton. 70.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ton. 75.00 - —
Chicago, works ton. 75.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton. 75.00 - —
Chicago, works ton. 75.00 - —
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .14 - .16
Borage flowers, bls. lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works ton. 70.50 - —
ton lots, ex whse, N. Y. or Chi ton. 115.25 - —
less ton lots, same basis, ton. 120.25 - —
bbls., c.l., works ton. 90.50 - —
ton lots, ex whse, N. Y. or Chi ton. 135.25 - —
less ton lots, same basis, ton. 140.25 - —
bulk, c.l., works ton. 64.00 - —
crystals, 99½%, bgs., c.l., works. ton. 61.25 - —
ton lots, ex whse, N. Y. or Chi ton. 106.00 - —
less ton lots, same basis, ton. 111.00 - —
bbls., c.l., works ton. 81.25 - —
ton lots, ex whse, N. Y. or Chi ton. 126.00 - —
less ton lots, same basis, ton. 131.00 - —
bulk, c.l., works ton. 57.25 - —
granular, 99½%, bgs., c.l., works ton. 35.25 - —
ton lots, ex whse, N. Y. or Chi ton. 80.00 - —
less ton lots, same basis, ton. 85.00 - —
bbls., c.l., works ton. 55.25 - —
ton lots, ex whse, N. Y. or Chi ton. 100.00 - —
less ton lots, same basis, ton. 105.00 - —
bulk, c.l., works ton. 31.25 - —
powdered, 99½%, bgs., c.l., works ton. 40.25 - —
ton lots, ex whse, N. Y. or Chi ton. 85.00 - —
less ton lots, same basis, ton. 90.00 - —
Borax, tech., powd., 99½%, bbls., c.l., works ton. 60.25 - —
ton lots, ex whse, N. Y. or Chi ton. 105.00 - —
less ton lots, same basis, ton. 110.00 - —
bulk, c.l., works ton. 36.25 - —

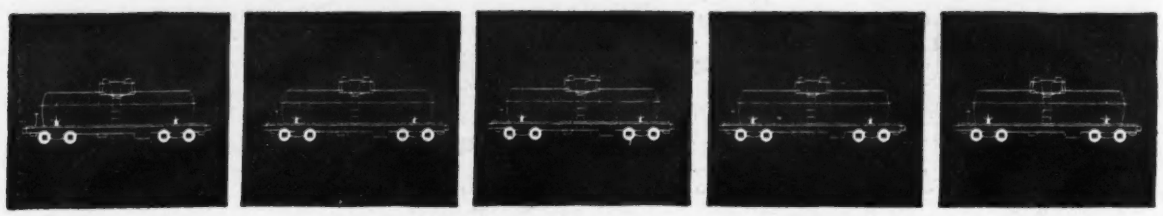
Borax packed in kgs. is $4 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd lb. .19 - —
Bromoform, USP, bots lb. 1.50 - 1.70
cbys. lb. 1.42 - —
Bromstyrol, bots. lb. 4.85 - 6.25
Bronze powder, aluminum (see A). Gold, litho., cans, dms., works. lb. .50 - .60
moulding, cans, dms., works. lb. .80 - 1.00
printing ink, cans, dms., works lb. .93 - 1.10
radiator, cans, dms., works. lb. .60 - .65
Broomtop, bls. lb. .25 - .28
Brown, iron, synth., bgs., l.c.l., works lb. .12½ - —
Oxide, metallic, bgs., works lb. .03 - .03¼
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bags., c.l., works lb. .03¾ - .14¾
l.c.l., works lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works lb. .04¼ - .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ - .05¾
l.c.l., bgs., works lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ - .07¾
l.c.l., works lb. .06 - .08
raw, American, bgs., same basis lb. .03¾ - .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works lb. .09¾ - .12
Brucine, cns., 100 ozs. oz. .45 - —
Sulphate, NF, cns., 100 ozs. oz. .35 - —
Bryonia root, bls. lb. .30 - .35
Buchu leaves, bls lb. .80 - .85
Buckthorn bark, bls lb. .16 - .18
cut and sifted, bls lb. .25 - .27
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .20 - .26
Butadiene, cyls., refy lb. .19 - —
tanks, same basis lb. .11½ - —
Butane, indust., tanks, group 3 gal. .03½ - —
Butternut bark, bls lb. .20 - .30
Butyl acetate, normal, ferment., Ill., Ind., prod., dms., c.l., works, frt. alld lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½ - —
tankwagons, same basis lb. .13 - —
other production, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½ - —
synthetic, normal, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½ - —
secondary, dms., c.l., same basis lb. .11½ - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½ - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16 - —
Ether (see Ether, butyl)
Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½ - —
l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .41 - —
Laurate, dms., works lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-4, cns., works lb. .65 - —
Myristate, dms., works lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .32 - —
l.c.l., same basis lb. .33 - —
Butyric ether (see Ethyl butyrate)

C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars lb. 2.49 - 2.80
Iodide, jars lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd lb. 2.00 - —
patent shapes, cs., dlvd lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, USP, cryst., dms., 100 lbs or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots. lb. 6.50 Nom.
Calabar beans, bgs., futures lb. .65 - .66
Calamine, USP, dms lb. .27 - .29
Calamus root, dom., bgs lb. .27 - .30
imported, bleached, bls lb. .70 Nom.
peeled, bls lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram. 4.00 - —
1,000 to 10,000 s.u., works gram. 4.40 - —
less than 1,000 s.u., works gram. 4.80 - —
in edible oil, dms., 10,000 or more unit. .10 - —
1,000 to 10,000 s.u., works unit. .11 - —
less than 1,000 s.u., works unit. .12 - —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld lb. .09½ - —
l.c.l., same basis lb. .10½ - —
Bromide, NF, jars lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton. 121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton. 22.00 - —
l.c.l., same basis ton. 37.00 - 67.00
liquor, works, basis 40%, tankcars ton. 9.00 - —
pellets, bgs., c.l. works ton. 29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton. 20.00 - —
l.c.l., works, same basis ton. 30.00 - 59.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50

pure, uniform caustic soda



to meet your strictest requirements

Wyandotte Caustic Soda, as produced by the Mercury Cell method, meets the highest standards of quality. Commercially, it is free from sodium chloride, sodium chlorate, iron and practically all other impurities.

In the manufacture of rayon and other products—wherever high-grade caustic soda is essential—this truly fine chemical can be used *as delivered,* without further processing. Its purity and uniformity do not depend upon the efficiency of a purification system.

Recently completed facilities have enabled us to double our previous production of Mercury Cell Caustic. If your chemical needs include quality caustic soda, why not write us today?

Wyandotte Chemicals Corporation
Wyandotte, Mich. • *Offices in Principal Cities*

SODA ASH • CAUSTIC SODA
BICARBONATE OF SODA
CALCIUM CARBONATE • CALCIUM CHLORIDE
CHLORINE • HYDROGEN • DRY ICE
SYNTHETIC DETERGENTS • GLYCOLS
ETHYLENE DICHLORIDE
PROPYLENE DICHLORIDE • CHLOROETHERS
AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

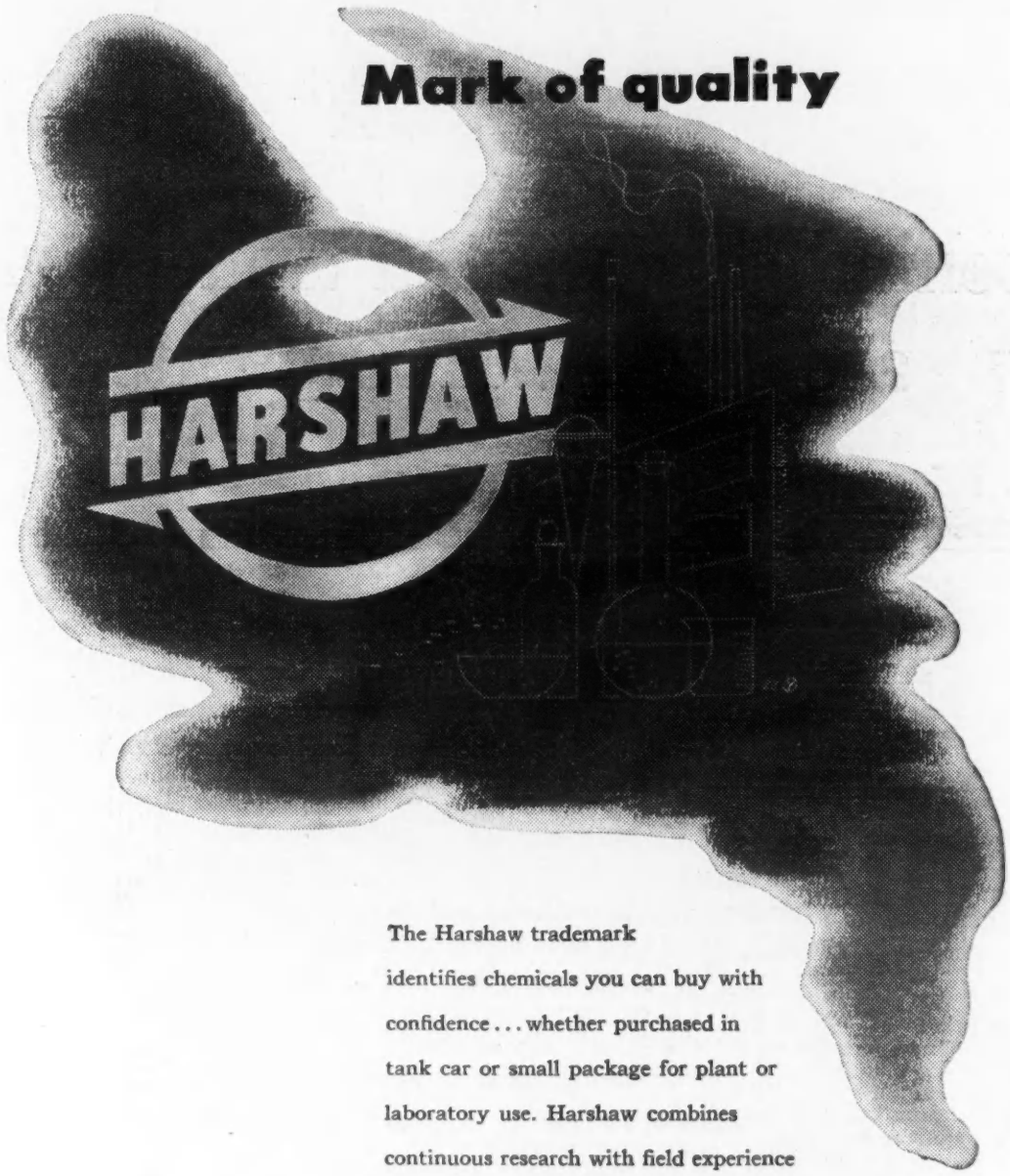
Wyandotte
REG. U. S. PAT. OFF.

Calcium gluconate, AA, bbls., dms. lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib. dms. lb. 1.65 - 1.80
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis cs.19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Mandelate, USP, dms., works lb. 2.10 - —
Naphthenate, liq., 4% Ca, dms., frt. alld. lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars gram. .07½- —
Phenolsulphonate, dms. lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works, ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald. lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton.45.00 - —
70%, bgs., c.l., works ton.50.00 - —
luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 - .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb. 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs. lb. 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½- —
smaller lots lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 1.10 - 1.30
powd., bxs lb. 1.25 - 1.50
Russian, bgs lb. 4.50 - 5.00
powd., bxs. lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.02 - 1.20
Caraway seed, Danish, bgs lb. .17½- .18
Dutch, bgs. lb. .18 - .18½
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .13 - —
l.c.l., same basis lb. .13½- —
tanks, same basis lb. .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb. .0445- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld. lb. .08 - —
l.c.l., same basis lb. .08½- —
W. of Rockies, c.l., f.o.b. stock points lb. .08½- —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.25 - —
100-lb. lots, works lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.25 - 3.30
medium, cs lb. 3.10 Nom.
Coorges, cs., futures lb. 2.25 - 2.30
decorticated, Guatemalan, cs., futures lb. 2.46 Nom.
Indian, cs lb. No stocks.
green, Alleppey, bgs., futures lb. 2.30 - 2.35
Seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, buik, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn. cn. .85 - —
in vegetable oil, 250,000 A units per gram lb.37.24 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 - —
Carvol, bots lb.10.00 -16.00
Cascara sagrada bark, bulk lb. .26 - .28
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point lb. .21 Nom.
rennet-precip., 10,000 lbs. or more, same basis lb. .28 Nom.
imported, acid-precip., ground, bgs. or more lb. .19¼-.19½ Nom
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lots, same basis lb. .24¼- —
Cassia bark, Batavia, longstick, bls. lb. .27 - .28
broken, bls lb. .25 - .25½
short stick, bls lb. .23 - .24

Cassia, China, Canton, rolls, select, cs. lb. .10 - .10½
broken, bls lb. .09 - .09½
Honan, rolls, scraped, bls. lb. .14 - .14½
broken, bls lb. .13 - .13½
unscraped, bls lb. .13½- .14
broken, bls lb. .12½- .13
Yunnan, rolls, scraped, bls. lb. .14 - .14½
broken, bls lb. .13 - .13½
unscraped, bls lb. .13 - .13½
broken, bls lb. .12 - .12½
Saigon, broken, bls lb. .25 - .28
medium, bls. lb. .34 - .35
thin, bls lb. .41 - .42
Buds, China, bgs lb. .23 - .24
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long ton.103.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.24.00 Nom.
Castoreum, nat., cns lb.12.00 -45.00
synthetic, cns lb.22.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls lb. .50 - .55
Celery seed, French, bgs lb. .26½- .27
Indian, bgs lb. .23½- .24
futures, bgs lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .40
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
Cellulose acetate, molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, transiucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
43% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .68
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —

Calcium Gluconate, AA—Chestnut Extract

Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100 lb. lots, works lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .06⅛
l.c.l., ex whse lb. .04 - —
paint, bxs., c.l., works ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 -40.00
rubber makers, bgs., c.l., works. ton.30.00 - —
Chamomile flowers, Hungarian, cs. lb. .45 - .48
Roman, bls lb. .95 - 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32⅛
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton.49.80 - —
bgs., c.l., works ton.51.80 - —
granular, bgs., incl., c.l., works. ton.46.80 -59.00
lump, bulk, c.l., works ton.38.80 -43.50
bgs., extra, returnable, c.l., works ton.41.80 -45.50
Pinewood, gran., powd., bgs., c.l., works, South. ton.40.00 - —
l.c.l., works. ton.50.00 -60.00
lump, bgs., c.l., works, South. ton.35.00 - —
Willow, powd., bbls lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0465- —
l.c.l., works lb. .0495- —
tanks, works lb. .0375- .0390
powd., 65% tannin, bgs., extra, c.l., works lb. .1105- —
l.c.l., works lb. .2170- .1180



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THE HARSHAW CHEMICAL CO.
1945 East 97th Street, Cleveland 6, Ohio
BRANCHES IN PRINCIPAL CITIES

China Clay—Cutch Extract

China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton. 12.50 - 13.00
l.c.l., works ton. 13.50 - 14.00
bulk, c.l., works ton. 9.50 - 10.00
200 mesh, bgs., c.l., works ton. 10.00 - 12.00
l.c.l. works ton. 11.00 - 16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works. ton. 13.00 - —
paper bgs., c.l., works. ton 15.00 - —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton. 16.00 - 35.00
powd., bgs., c.l., ex dock ton. 45.00 - —
l.c.l., ex whse ton. 50.00 - 55.00

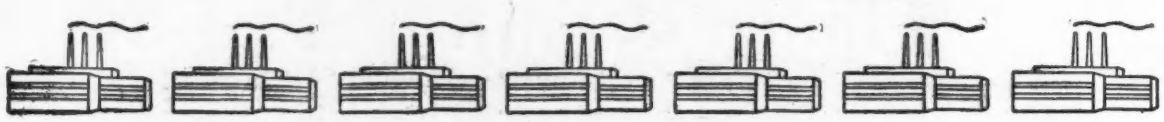
Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - —
Chlordane, agricultural, dms., l.c.l., stock points lb. .82 - 2.00
refined, dms., stock points lb. .97 - 2.15
Chlorinated paraffin, dms., works lb. .12¼- .12½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald. 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd. E. lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33

Chloro(4)-2-Toluidine, sbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 4.00 - 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs lb. .08 - .08½
8½%, bbls., cs. lb. No stocks
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .45 - .50
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs. oz. .95 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs. oz. .69 - —
small cryst., cns., 100 ozs. oz. .65 - —
Sulphate, N.F., cns., 100 ozs. oz. .42 - —

Cinchophen, NF, heavy, dms., works lb. 4.20 - 4.35
Standard, dms., works lb. 4.00 - 4.35
Cinchophen-sodium, standard, dms., works lb. 5.00 - 5.35
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms. lb. .83 - .90
Cinnamon, Ceylon, No. 1, bls lb. .17 - .17½
Citral, bots., cns. lb. 3.00 - 5.00
Citronellal, bots., dms. lb. 2.50 - 7.75
Citronellol, bots., dms. lb. 2.95 - 4.75
Civet, bots. oz. 5.50 - 15.00
Clove, Madagascar, bls lb. .20½- .21
futures, bls lb. .19½- .20
Zanzibar, bls lb. .25½- .26
futures lb. .23½- .24
Clover tops, red, dom., bgs lb. .55 - .85
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse. gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse. gal. .14½- —
refd., resale, bbls., c.l., ex-whse. gal. .25½- —
l.c.l., ex-whse. gal. .27 - —
tanks, ex-whse gal. .15½- —
Cobalt acetate, bbls., dlvd lb. .53½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —

Cobalt chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34%, Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz. 15.00 - —
Hydrochloride, cns., 100-oz. lots. oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .18 - .20
Cocoa butter, bgs lb. .46 - .47
Codeine, NF, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs oz. 11.85 - —
Phosphate, USP, cns., 100 ozs oz. 10.25 - —
Sulphate, USP, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz. 145.00 - 160.00
Colchicum root, bls lb. .60 - .65
Seed, bgs lb. 2.25 - 2.50
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls lb. .35 - .40
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .33 - .35
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls lb. .218 - .2525
Chloride, anhyd., bbls., works lb. .25½- —
crystals, bbls., works lb. .17¼- —
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .45 - .48
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd. E. Miss lb. .24¼- .24¾
Metal, electrolytic, dlvd lb. .17⅞- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- —
Nitrate, tech., cryst., bbls., works. lb. .21¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .24¼- .26¾
red, com'l, bbls., works lb. .26½- .30
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Quinolate lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .23½- —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 8.00
CP, cryst., gran., dms., works. lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs. 11.90 - —
tribasic, dealers, bgs., c.l., works lb. .1815- —
l.c.l., works lb. .2050- —
USP, gran., cryst., dms lb. .10 - .26
Copperas, cryst., gran., bgs., c.l., works ton. 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton. 175.00 - —
Pacific ports ton. 170.00 - —
Coriander seed, Argentine, bgs., futures lb. .06½- .06¾
Italian, bgs lb. .07 - .08
Moroccan, bgs lb. .06½- .07
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.73 - —
bbls., c.l., same basis 100 lbs. 5.78 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.10 - —
l.c.l. 100 lbs. 6.20 - —
Cornsilk, bls lb. .15 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .30 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills ton. 72.00 - 75.00
Coumarin, cns., 25 lb lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.00 - 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .29½- —
smaller lots lb. .30 - .31
Imported, kgs lb. .24 - .26
Creosote, coaltar, crude, tanks, works gal. .16 - .18
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works. gal. .20 - —
NF, beechwood, bots, cbys. lb. 1.15 - 1.20
hardwood, bots, cbys. lb. .85 - —
Pinewood, dms gal. .31 - .33
Creosote carbonate, NF, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dry, above 207°C. non-non-ret. dms., c.l. frt. equald. lb. .1255- —
l.c.l. same basis lb. .1285- —
ret.-dms., c.l., same basis. lb. .1225- —
l.c.l. same basis lb. .1255- —
tanks, same basis lb. .1125- —
USP, non-ret., dms., c.l., same basis lb. .1280- —
l.c.l., same basis lb. .1310- —
ret., dms., c.l., same basis lb. .1250- —
l.c.l., same basis lb. .1280- —
tanks, same basis lb. .1150- —
Crotonaldehyde, 91-93%, dms., c.l works. lb. .16½- —
l.c.l., works lb. .17 - —
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works 100 lbs. 13.75 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .35 - .40
powd., cs lb. .45 - .50
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Morocco, bgs lb. .22 - .22½
Persian, bgs lb. .22 - .22½
Syrian, futures, bgs lb. .21½- .22
Cutch, extract, 55% tannin, bgs., ex dock lb. .06½- —

behind this trusted trademark are seven WITCO plants...



Did you know that WITCO owns and operates seven modern chemical manufacturing plants that stretch from Perth Amboy, New Jersey, to Texas?

Thoroughly trained operators, highly specialized research and technical service staffs all cooperate to produce the highest possible quality chemical products, including:

ASPHALTS
ASPHALTIC MASTICS
CARBON BLACKS (both Channel and Furnace)
METALLIC SALTS OF FATTY ACIDS, including
NAPHTHENIC ACID SALTS
OCTOIC ACID SALTS
OLEIC ACID SALTS
LINOLEIC ACID SALTS
RUST PREVENTATIVES
SUNOLITE (ANTI-SUNCHECKING WAX)
WITCOTE #4 (AUTOMOTIVE UNDERCOATING)
And many others

Tell us your requirements, then . . . count on WITCO.

YOU KNOW THAT WITCO MAKES HIGHEST QUALITY PRODUCTS

WITCO CHEMICAL COMPANY

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295 MADISON AVENUE, NEW YORK 17, N. Y.

LOS ANGELES • BOSTON • CHICAGO • DETROIT • CLEVELAND • SAN FRANCISCO • AKRON • LONDON AND MANCHESTER, ENGLAND

Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk . . unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis . . unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½- .12¼
l.c.l., works . . lb. .10 - .13
tanks, works . . lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½-
l.c.l., works . . lb. .22 - —
tanks, works . . lb. .20 - —
Cyclohexanone, tech., dms., c.l., works . . lb. .26½- .30
l.c.l., works . . lb. .27 - .31
tanks, works . . lb. .25 - .29
Cyclohexylamine, dms., works . . lb .34 - —
Cyclopropane, USP, 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works . . cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots . . gal. .32 - —
100-gal. lots . . gal. .31 - —
200-gal. lots . . gal. .30 - —

D

2, 4-D, fib., dms., c.l., works, frt., equald . . lb. .75 - —
l.c.l., same basis . . lb. .83 - .90
Damiana leaves, bls . . lb. .45 - .50
Dandelion root, bls . . lb. .35 - .40
DDD, tech., fine grd., fib., dms., c.l., works . . lb. .51 - —
l.c.l., works . . lb. .51½- —
lump, fib. dms., c.l., works . . lb. .49 - —
l.c.l., works . . lb. .49½- —
DDT, fiber dms., c.l., works . . lb. .32 - —
smaller lots, works . . lb. .33 - .34
Decanol, normal, tech., dms., c.l., dlvd . . lb. .34½- —
l.c.l., dlvd. . . lb. .36½- —
tanks, dlvd. . . lb. .32 - —
Deertongue leaves, bls . . lb. .30 - .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works . . ton. 44.15 - 55.75
Rock, paper bgs., works . . ton. 34.25 - —
Degras, common, bbls . . lb. .11 - .12
Neutral, less 2% ffa., bbls . . lb. .20 - .22
over 2% ffa., bbls . . lb. .19 - .21
Derris root, 5% rotenone, powd . . lb. .33 Nom.
Dextrin, corn, British gum, paper bgs., c.l. . . 100 lbs. 7.22 - —
Chicago . . 100 lbs. 6.60 - —
l.c.l. . . 100 lbs. 7.37 - —
Canary, paper bgs., c.l. . . 100 lbs. 6.96 - —
Chicago . . 100 lbs. 6.34 - —
l.c.l. . . 100 lbs. 7.11 - —
dark, paper bgs., c.l. . . 100 lbs. 7.16 - —
Chicago . . 100 lbs. 6.44 - —
l.c.l. . . 100 lbs. 7.21 - —
white, paper bgs, c.l. . . 100 lbs. 6.81 - —
Chicago . . 100 lbs. 6.19 - —
l.c.l. . . 100 lbs. 6.96 - —
Corn dextrin in cotton bgs., 17c. higher.
Potato, bgs . . lb. .10½- .10¾
Dextrose, USP, dms . . lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots . . lb. 5.00 - 5.55
laboratory grade, bots . . 100 grams. 4.50 - —
tech., bots., works . . lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Diamyl Phthalate, dms., c.l., dlvd. E . . lb. .35½- —
l.c.l., dlvd. E . . lb. .36½- —
tanks, dlvd. E . . lb. .34 - —
Diamylphenols, mixed, dms., c.l., works . . lb. .31 - —
l.c.l., works . . lb. .32 - —
tanks, works . . lb. .30 - —
Dianisidin, dms . . lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast . . ton. 50.00 - 52.00
California . . ton. 38.00 - 40.00
l.c.l., ex whse . . ton. 80.00 - —
purified, bgs., c.l., Atl. coast . . ton. 62.00 - —
California . . ton. 50.00 - —
l.c.l., ex whse . . ton. 90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast . . ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast . . lb. .03 - —
l.c.l., Atlantic coast . . lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½- —
l.c.l., works . . lb. .67 - —
tanks, works . . lb. .65 - —
Dibutoxyethyl sebacate, dms., c.l., works . . lb. .55½- —
l.c.l. works . . lb. .56 - —
tanks, works . . lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd . . lb. .31½- —
tanks, dlvd . . lb. .29 - —
Sebacate, dms., c.l., works . . lb. .51 - —
l.c.l., works . . lb. .51½- —
tanks, works . . lb. .49½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld . . lb. .51½- .52½
l.c.l., frt. alld . . lb. .52½- .53½
tanks, frt. alld . . lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .54½- —
l.c.l., works . . lb. .55 - —
tanks, works . . lb. .53 - —
Dichloroanilin, dms., works . . lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., c.l., frt. equald . . lb. .27 - —
l.c.l., frt. equald . . lb. .28 - —
Dicyclohexylamine, dms., works . . lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works . . lb. .42½- —
l.c.l., same basis . . lb. .43 - —
Diethanolamine, dms., c.l., E . . lb. .26½- —
l.c.l., same basis . . lb. .27½- —
tanks, same basis . . lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld . . lb. .36½- —
l.c.l., same basis . . lb. .37½- —
tanks, same basis . . lb. .35 - —
Maleate, dms., c.l., dlvd . . lb. .50½- —
l.c.l., dlvd . . lb. .51½- —
tanks, dlvd . . lb. .50 - —
Oxalate, dms., c.l., frt. alld . . lb. .34½- .35½
l.c.l., same basis . . lb. .35½- .36½
tanks, same basis . . lb. .34 - —
Phthalate, dms., c.l., dlvd . . lb. .26 - .27½
l.c.l., dlvd . . lb. .27 - .28
tanks, dlvd . . lb. .24½- .26
Sulphate, dms., c.l., works . . lb. .14 - —
l.c.l., works . . lb. .15 - —
tanks, works . . lb. .13 - —
Diethylamine, dms., c.l., works . . lb. .69 - —
l.c.l., works . . lb. .71 - —
tanks, works . . lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. lb. .75 - —
Diethylanilin, dms. . . lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E. . lb. .17¼- —
l.c.l., same basis . . lb. .18½- —
tanks, same basis . . lb. .16 - —
Diethylether, dms., l.c.l., works. lb. .40 - —
Monobutylether, dms., c.l., works. lb. .26 - —
l.c.l., works . . lb. .26½- —
tanks, works . . lb. .24½- —
Monobutylether acetate, dms., c.l., works . . lb. .27½- —
l.c.l., works . . lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works . . lb. .18½- —
tanks, works . . lb. .16½- —
Diethyleneglycol monoethylether, acetate, dms., c.l., works. lb. .24 - —
l.c.l., works . . lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works . . lb. .22½- —
tanks, works . . lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works . . lb. .52 - —
tanks, works . . lb. .50 - —
Diethylstilbestrol, USP, bots . . kilo. 260.00 - 300.00
Digitalin, cryst., bots . . gram. 15.00 - 18.00
powd., bots . . oz. 25.00 - 30.00
Ditigtalis leaves, dms . . lb. .70 - .85
Diglycol laurate, dms . . lb. .34 - .36
Oleate, light, dms . . lb. .26 - .28
Stearate, dms . . lb. .27 - .29
Dihexyl sebacate, dms., c.l., works. lb. .42½- —
l.c.l., works . . lb. .43 - —
tanks, works . . lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers . . lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works . . lb. .14½- —
tanks . . lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works . . lb. .07½- —
tanks, works . . lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41½- —
l.c.l., same basis . . lb. .42½- —
tanks, same basis . . lb. .40 - —
Dillseed, natural, bgs . . lb. .12½- .13
dewhiskered, bgs . . lb. .13 - .14
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd . . lb. .27 - —
tanks, dlvd . . lb. .25 - —
Sebacate, dms., c.l., works . . lb. .69½- —
l.c.l., works . . lb. .70 - —
tanks, works . . lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works . . lb. .15 - —
l.c.l., works . . lb. .16 - —
10-gal. ret. dms., works . . lb. .16½ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% . . lb. .37 - .38
l.c.l., works, basis 100% . . lb. .38 - .38½
tanks, works, basis 100% . . lb. .33 - —
Dimethylanilin, dms., c.l. . . lb. .23 - —
l.c.l. . . lb. .25 - —
tanks . . lb. .21 - —
Dinitroanilin, dms., frt. equald . . lb. .50 - —
Dinitrobenzene, crude, bbls . . lb. .16 - —
Dinitrochlorobenzene, 47%, m.p., c.l., dms . . lb. .13½- .14
l.c.l. . . lb. .14 - —
tanks . . lb. .13¼- —
Dinitrophenol, bbls. . . lb. .28 - —
Dinitrotoluene, oily, dms . . lb. .07 - .09
refd., dms. . . lb. .21 - —
Dinonylnapnthalene, c.l., dms., works . . lb. .13 - —
l.c.l., dms., works . . lb. .14 - —
tanks, works . . lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld . . lb. .41½- —
l.c.l., frt. alld . . lb. .42½- —
tanks, frt. alld . . lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd . . lb. .48 - —
smaller lots, dlvd . . lb. .50 - —

Cyanamide—Divinylbenzene

Dioxan, dms., c.l., frt. alld . . lb. .25 - —
l.c.l., same basis . . lb. .25½- —
tanks, same basis . . lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South . . gal. .35 - .53
l.c.l., same basis . . gal. .36 - .55
N. Y. whse . . gal. .50 - —
steam-dist., dms., c.l., whse., NYC, gal. .59 - —
l.c.l., same basis . . gal. .53 - .62
Diphenyl, bbls., c.l., works . . lb. .15 - —
l.c.l., works . . lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. . . lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots . . lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 - 3.75
Dipropyleneglycol methylether, dms., c.l., frt. equald . . lb. .18 - —
l.c.l., same basis . . lb. .18½- —
tanks, same basis . . lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works . . lb. .32 - —
l.c.l., works . . lb. .33 - —
tanks, works . . lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works . . lb. .94 - —
l.c.l., works . . lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock . . ton. 68.00 - —
Divinylbenzene, 18%, dms., c.l., works . . lb. .25 - —
l.c.l., works . . lb. .26 - —
tanks, works . . lb. .24 - —
40%, dms., c.l., works . . lb. .55 - —
l.c.l., works . . lb. .60 - .65

A quality product in a "non-skid" bag.

SPECIFICATIONS OF PITTSBURGH PHTHALIC ANHYDRIDE

Property	Sales Specifications
General Appearance	Clean, White Flakes
Molten Color*	55 Hazen max.
Freezing Point	130.5° C. min.
Benzene Solubility	Clear
Maleic Anhydride Content†	0.25%
Sediment	Sediment Free, Solid Melt

*In melting the sample, avoid overheating
†Permanganate Titration

Pittsburgh Phthalic Anhydride is produced at one location in a series of integrated processing steps, beginning with preparation and coking of its own high-grade coal.

Here on its "Isle of Chemicals", complete control of manufacture with no dependence on outside raw materials enables Pittsburgh Coke & Chemical Company to maintain high standards of quality demanded of the finished product by industry.

Pittsburgh Phthalic comes in free-flowing, clean, white flakes, free from impurities that cause coloring or premature gelling and foaming. It has a uniformly low maleic anhydride content. It is packed in sturdy, moisture-proof, 5-ply bags that provide adequate protection and whose flat, rough "non-skid" exteriors prevent sliding when stacked.

You'll find Pittsburgh Coke & Chemical Company a dependable, economical source for Phthalic Anhydride. Please address inquiries to

EMPIRE CHEMICAL COMPANY
A Division of
PITTSBURGH COKE & CHEMICAL COMPANY
1955 Grant Building Pittsburgh 19, Pa.

Dodecyltoluene—Ethel Acetate

Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 1.75 - 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—

Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—

Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—

No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —
Violet, D&C, No. 1, cns. lb.16.10 - —
No. 2, cns. lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb.14.65 - —
No. 37, cns. lb.13.55 - —

Dyes, coaltar, certified colors, for drugs and cosmetics, external use, 1-lb. lots:—

Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .52 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .97 - —
79 Ponceau R lb. .68 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

151 Orange II lb. .44 - —
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .80 - —
179 Azo rubine lb. .95 - —
180 Diamond blue 3B lb. .84 - —
183 Cochineal red A lb. .85 - —
202 Chrome blue black R lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R lb. .83 - —
216 Acid alizarin red B lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SBL lb .2.96 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
299 Diamond black F lb. 1.38 - —
304 Nerol 2B lb. 1.83 - —
326 Benzo fast orange S lb. 1.57 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine scarlet B lb. 1.56 - —
401 Diamine black BH lb. .58 - —
406 Benzo blue 2B conc lb. .90 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb. .82 - —
448 Benzo purpurine 4B lb. 1.08 - —
518 Diamine sky blue FF lb. 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra. lb. .81 - —
593 Diamine green B lb. .60 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .84 - —
639 Xylene light yellow lb. 1.77 - —
640 Tartrazine lb. 1.34 - —
655 Auramine lb. 1.69 - —
657 Malachite green lb. 1.93 - —
662 Brilliant green lb. 2.55 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb. 1.54 - —
690 Methyl violet B lb. .95 - —
681 Crystal violet lb. 1.91 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

698 Formyl violet S4B lb. 1.51 - —
720 Chrome azurol B lb. 3.60 - —
729 Victoria blue B lb. 2.68 - —
737 Wool green S lb. 2.14 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.76 - —
841 Safranine lb. 2.58 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —
969 Hydron blue R lb. .72 - —
978 Sulphur black T extra lb. .28½ - —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb. 2.30 - —
1054 Alizarin saphiro B lb. 2.59 - —
1078 Alizarin cyanine green lb. 2.61 - —
1085 Alizarin blue black B lb. 2.13 - —
1096 Indanthrene golden orange G, single paste lb. 1.96 - —
double paste lb. 3.92 - —
1099 Indanthrene dark blue BO single paste lb. 1.72 - —
1101 Caledon jade green lb. 2.32 - —
1106 Indanthrene blue RS, single double paste lb. 2.52 - —
double paste lb. 2.13 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown P.G. lb. 2.48 - —
p-14 Anthracene chromate brown EB lb. 1.25 - —
p-24 Benzo fast black L lb. 1.94 - —
p-80 Diazo brilliant scarlet ROA lb. 2.55 - —
p-202 Zambesi black V lb. 1.07 - —
p-244 Celliton scarlet B lb. 1.37 - —
p-313 Naphthol AS-SW lb. 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black, blue, No. 550 lb. .72 - —
Jet, No. 551 lb. .79 - —
Brown, R, conc lb. 1.44 - —
Orange R, brilliant lb. .80 - —
Red 4 B, conc lb. 1.22 - —
Yellow, C lb. 1.05 - —
FN, conc lb. 1.08 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers works.

Auramine, O lb. 1.66 - —
Black, basic, blue lb. 1.08 - —
Jet lb. 1.08 - —
Blue, methylene, 2 B, conc lb. 1.44 - —
Brown, Bismarck, R, conc lb. .78 - —
Chrysodine, R, extra lb. .54 - —
Y, extra lb. .56 - —
Fuchsine, conc lb. 2.34 - —
Green, malachite, conc lb. 1.80 - —
Rhodamine, B lb. 3.97 - —
Safranine, Y, conc lb. 2.66 - —
Violet, methyl, B lb. 1.08 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B, extra lb. .76 - —
Orange, acid, Y, conc lb. .43 - —
Rhodamine, azo-R, extra conc.
Rhodamine, R, extra, conc lb. 3.97 - —
Scarlet, croceine, MOO lb. 1.33 - —
Yellow, azo-, conc lb. .32 - —
Fast light, 3 G, extra lb. 1.99 - —
Methanil, conc lb. .83 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher

E

Echinacea root, bls lb. 45 - 55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.22 - 1.25
tanners, bbls lb. 06½ - 07
Elder flowers, bright, bls lb. .40 - .50
Elecampane root, bls lb. .25 - .28
Elm bark, grinding, bls lb. .34 - .35
powd., bbls., bxs lb. .45 - .47
select, bndls lb. .58 - .65
Emetine hydrochloride, USP, bots oz.38.75 -42.00
Ephedra herb, bls lb. .18 - .37
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½ - —
l.c.l., works lb. .37 - —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots gram .60 - .70
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NF, dms., tin-lined lb. 2.25 Nom.
Eserine, bots oz.55.00 -56.00
Salicylate, USP, bots oz.38.75 -39.75
Sulphate, bots oz.60.00 -61.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. 16½ - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 - —
75 cc, hospitals bot. 1.56 - —
Ethyl, absolute, ACS, dms lb. .50 - —
anesthesia, USP, hospital, cns. lb. 75 - 80
industrial, USP, dms., c.l., dlvd. lb. .12 - —
l.c.l., same basis lb. .13 - —
tanks, same basis lb. .10 - —
synthetic, dms. incl., frt. alld lb. .11½ - —
l.c.l., same basis lb. .12½ - —
tanks, same basis lb. .10 - —
Isopropyl, dms., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .06½ - —
tanks, dlvd lb. .04½ - —
Nitrous, conc., bots., 100 lbs lb. 1.03 - 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .10½ - —
l.c.l., frt. alld lb. .11½ - —
tanks, frt. alld lb. .09 - —
95-98%, dms., c.l., frt. alld. lb. .10¾ - —
l.c.l., frt. alld lb. .11¾ - —
tanks, frt. alld lb. .09¼ - —
99%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09½ - —
synthetic, 85-90%, dms., c.l., frt. alld lb. .10½ - —
l.c.l., frt. alld lb. .11½ - —
tanks, frt. alld lb. .09 - —
95-98%, dms., c.l., frt. alld. lb. .10¾ - —
l.c.l., frt. alld lb. .11¾ - —
tanks, frt. alld lb. .09¼ - —
99%, dms., c.l., frt. alld lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09½ - —

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Ethyl acetoacetate, dms., c.l., dlvd.	lb.	.47½-	—
l.c.l., dlvd.	lb.	.48½-	—
tanks, dlvd.	lb.	.46	- —
Benzoate, dms	lb.	.68	- —
Betaethoxypropionate dms. works	lb.	.70	- —
Bromide, tech., 98%, dms.	lb.	.39	- .41
Butyrate, bots.	gal.	4.75	- —
cns., works	lb.	.65	- .70
dms., works	lb.	.60	- —
Carbamate (see Urethane).			
Chloride, tech., tanks	lb.	.13½-	—
USP, bbls., cyl.	lb.	.20	- .22
Cinnamate, cns	lb.	2.30	- 3.60
Formate, dms.	lb.	.38	- —
Iodide, bots.	lb.	4.06	- 4.27
Lactate, dms., works	lb.	.41	- —
Methycrylate, M-2, dms., works	lb.	.60	- —
cns., works	lb.	.63	- .67
P-2, cns., works	lb.	.65	- —
Myristate, dms., works	lb.	No prices.	
Nitrite (see Ether, nitrous).			
Oenanthate, dms.	lb.	1.00	- 2.00
Oleate, dms., l.c.l., works	lb.	.53	- —
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate)			
40% available SiO_2, dms., works.	lb.	.53	- —
Ethylalphanaphthylamine, dms.	lb.	.80	- —
Ethylaniline, dms	lb.	.60	- —
Ethylbenzene, dms., c.l.	lb.	.14	- —
l.c.l.	lb.	.15	- —
tanks	lb.	.13	- —
Ethylcellulose, fib dms., 5,000 lbs., works	lb.	.52	- —
smaller lots, works	lb.	.54	- .62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09½-	—
W. of Rockies	lb.	.10½-	—
l.c.l. works, frt. alld., E., of Rockies	lb.	.10½-	—
W. of Rockies	lb.	.11½-	—
tanks, frt. alld. E. Rockies	lb.	.06	- —
W. of Rockies	lb.	.09	- —
Oxide, cyls., c.l., works	lb.	.23¾-	.25
l.c.l., works	lb.	.24¾-	26
tanks, works and frt. equald. or alld	lb.	.15¾-	16¾
Trichloride (see Trichloroethane).			
Ethylenediamine, tanks, works	lb.	.50	- —
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.16	- —
l.c.l., same basis	lb.	.17	- —
tanks, same basis	lb.	.14½-	—
Diethylether, dms., l.c.l., works	lb.	.50	- —
Monobutylether, dms., c.l., works.	lb.	.21½-	—
l.c.l., works	lb.	.22	- —
tanks, works	lb.	.20	- —
Monoethylether, dms., c.l., works.	lb.	.18	- —
l.c.l., works	lb.	.18½-	—
tanks, works	lb.	.16½-	—
Monoethylether acetate, dms., c.l., works	lb.	.16½-	—
l.c.l., works	lb.	.17	- —
tanks, works	lb.	.15	- —
Monomethylether, d m s., c.l., works	lb.	.19½-	—
l.c.l., works	lb.	.20	- —
tanks, works	lb.	.18	- —
Monomethylether acetate, dms., c.l., works	lb.	.24½-	—
l.c.l., works	lb.	.25	- —
tanks, works	lb.	.23	- —
Monostearate, dms	lb.	.38	- .40
Ethylethanolamines, mixed, dms., c.l., works	lb.	.32	- —
l.c.l., works	lb.	.33	- —
Ethylmorphine hydrochloride, USP, bots.	oz.	1.85	- —
Ethylorthotoluidine, bbls.	lb.	.80	- —
Ethylvanillin, cns., 5 lbs. or more	lb.	6.75	- —
smaller lots	lb.	6.80	- 6.90
Eucalyptol, USP, cns., dms.	lo.	1.75	- 2.05
Eucalyptus leaves, bls.	lb.	.11	- .14
Eugenol, prime, USP	lb.	2.00	- 2.50
Euphorbia, pil., herb, bls.	lb.	.18	- .20

F

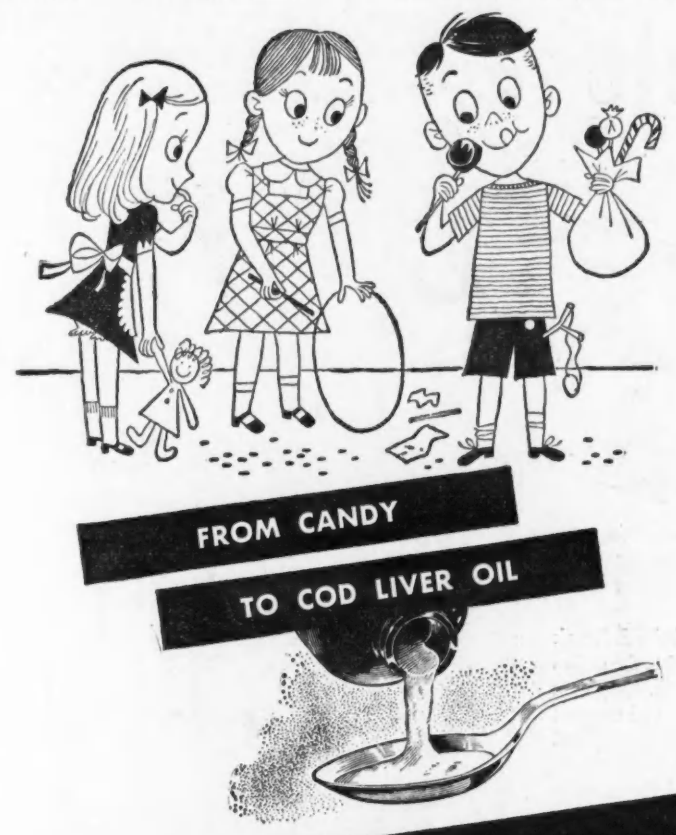
Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	-22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	-12.50
bulk, c.l., works	ton.	18.00	-20.00
Pottery, bgs., 2 ton lots, works.	ton.	20.00	-22.00
bulk, c.l., works	ton.	17.00	-19.00
Fennet seed, Argentine, bgs.	lb.	.09¾-	.10½
French, bgs	lb.	.12	- .12½
Indian, bgs	lb.	.12	- .12½
Fenugreek, domestic, bgs.	lb.	No stocks.	
futures, bgs.	lb.	.11½-	.12
futures, bgs.	lb.	.10¼-	.10½
Moroccan, bgs	lb.	.11	- .11½
Ferric-ammonium citrate (see iron-ammonium citrate).			
Ferric cacodylate (see iron cacodylate).			
Ferric glycerophosphate (see Iron glycerophosphate).			
Ferric hypophosphite (see Iron hypophosphite).			
Ferric sulphate (see Iron sulphate, ferric).			
Film scrap, colored, cs., works	lb.	.11	- —
water-white, cs., works	lb.	.13	- —
Fir balsam, Canada, cns.	gal.	32.50	-33.00
Oregon, bbls.	gal.	2.35	- 2.45
Fishberries, bgs	lb.	.20	- .25
Fishliver oil (see Oil, fishliver).			
Fishmeal, ground, 60% protein, bgs., Balto. area	ton.	180.00	- —
65% protein, bgs., Balto. area.	ton.	185.00	- —
Fishscrap, dried, 60% protein, bulk, Balto. area	ton.	170.00	- —
Fleaseed (see Psyllium seed).			
Fringetree bark, bls.	lb.	.45	- .47
Fluorspar, acid grade, bgs., c.l., mines	ton.	47.50	- —
l.c.l., mines	ton.	49.50	- —
bulk, contract, c.l., mines	ton.	42.00	- —
noncontract, c.l., mines	ton.	45.00	- —
l.c.l., mines	ton.	47.00	- —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines	net ton.	39.00	-41.00
powd., 90-92%	ton.	41.00	- —
foundry grade, lump, 55-60%,	ton.	34.00	- —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	35.00	-37.00
65%, bulk, c.l., mines	ton.	34.00	-36.00
60%, bulk, c.l., mines	ton.	33.00	-35.00
less than 60%, bulk, c.l., mines.	ton.	32.00	-34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works	lb.	.0570-	—
l.c.l., E. works	lb.	.0620-	—
tanks, E. works	lb.	.0370-	—
methanol-free (uninhibited), tanks, works	lb.	.0350-	—

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines	ton.	30.00	- —
Tex., mines	ton.	27.00	- —
spent, bulk, Bayonne	ton.	2.00	- 4.00
imp., bgs., c.l.	ton.	30.00	-40.00
Furfural, tech., dms., c.l., works	lb.	.12	- —
l.c.l., works	lb.	.14	- —
tanks, works	lb.	.09½-	—
Fusel oil, refined, dms., c.l.	lb.	.23½-	—
l.c.l.	lb.	.24½-	—
tanks	lb.	.22	- —
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.42½-	—
No. 1A, bbls., l.c.l.	lb.	.41½-	—
No. 2, bbls., l.c.l.	lb.	.40½-	—
No. 3, bbls., l.c.l.	lb.	.38½-	—
liquid, No. 0, bbls., l.c.l.	lb.	.22	- —
No. 1, bbls., l.c.l.	lb.	.20½-	—
No. 2, bbls., l.c.l.	lb.	.19½-	—
No. 3, bbls., l.c.l.	lb.	.17	- —
solid, No. 1, bxs., l.c.l.	lb.	.28	- —

G

G salt, bbls	lb.	.59	- .60
Galangal root, bls.	lb.	.14	- .15
Gambier, plantation, bgs., ex dock	lb.	No stocks.	
Extract, bbls		No stocks.	
Gammapicoline, 95%, dms., c.l., works	lb.	1.00	- 1.05
Gasoline, at refinery, ex tax, Arkansas, 74-76 octane, tanks.	gal.	.10375-	—
Bayonne, 76 octane, tanks	gal.	.116	- —
Gulf coast, 74-76 octane, tanks.	gal.	.10	- .11
Group 3, 74-76 octane, tanks.	gal.	.10	-.10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks	gal.	.12	- —
natural, 26-70 octane, group 3, tanks	gal.	.055	- —
Gelatin, silver label, cs., works	lb.	1.20	- —
Gelsemium root, bls.	lb.	.25	- .30
Gentian root, bls	lb.	.13	- .16
grd., bbls., bxs	lb.	.17	- .19
powd., bbls., bxs	lb.	.18	- .20
Geraniol, extra, cns., dms.	lb.	2.50	- 2.75
prime	lb.	2.20	- 2.40
Geranyl acetate, cns.	lb.	2.65	- 3.90
Ginger, oleoresin, bots.	lb.	4.50	- 4.75
Root, African, bls.	lb.	.36	- .37
Cochin, bleached, bgs.	lb.	No stocks.	
unbleached, bgs	lb.	.20	Nom.
Jamaica, No. 1, bgs.	lb.	.40	- .41
No. 2, bgs	lb.	.36	- .37
No. 3, bgs	lb.	.35	- .36
Rhattoon, bgs.	lb.	.34	- .35
Ginseng root, cs	lb.	12.00	-16.00
Glauber's salt, anhyd. (see Sodium sulphate).			
cryst., bgs., c.l., works	100 lbs.	2.00	- —
l.c.l. bgs., works	100 lbs.	2.25	- 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lb.	.14½-	—
40-65, bgs., c.l., same basis	lb.	.16½-	—
65-90, bgs., c.l., same basis	lb.	.18	- —
95-145, bgs., c.l., same basis	lb.	.22½-	—
145-180, bgs., c.l., same basis	lb.	.25	- —
Bone glue, l.c.l., prices, 1c. higher than c.l.			
ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd.	lb.	.16	- —
l.c.l., same basis	lb.	.17	- —
pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis	lb.	.18½-	—
l.c.l., same basis	lb.	.19½-	—
Glue, hide, 100-121 (jellygrams), bgs., c.l., dlvd.	lb.	.22	- .33
122-149, bgs., c.l., dlvd.	lb.	.23	- .36
150-177, bgs., c.l., dlvd.	lb.	.24	- .27
178-206, bgs., c.l., dlvd.	lb.	.25	- .29
207-236, bgs., c.l., dlvd.	lb.	.26	- .30
237-266, bgs., c.l., dlvd.	lb.	.27	- .31
267-296, bgs., c.l., dlvd.	lb.	.28	- .32
299-330, bgs., c.l., dlvd.	lb.	.29	- .33
331-362, bgs., c.l., dlvd.	lb.	.30	- .33
363-394, bgs., c.l., dlvd.	lb.	.31	- .34
395-427, bgs., c.l., dlvd.	lb.	.32	- .35
428-460, bgs., c.l., dlvd.	lb.	.33	- .36½
461-494, bgs., c.l., dlvd.	lb.	.34	- .38
495-529, bgs., c.l., dlvd.	lb.	.35	- .39
Hide glue, l.c.l., prices 1c. higher than c.l. bbls., ½c. more than bgs.			
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd.	lb.	.16¾-	.18¾
soaplye, 80%, tanks, dlvd.	lb.	.15¼-	.16½
dynamite, dms., c.l., dlvd.	lb.	.24	- —
l.c.l., dlvd	lb.	.24½-	—
tanks, dlvd	lb.	.23½-	—
high gravity, dms., c.l., dlvd.	lb.	.24¼-	—
l.c.l., dlvd	lb.	.24¾-	—
tanks, dlvd	lb.	.23¾-	—
refined, BP, 93%, dms., c.l., dlvd.	lb.	.25½-	—
l.c.l., dlvd	lb.	.26	- —
tanks, dlvd	lb.	.25	- —
USP, c.p., 95%, dms., c.l., dlvd.	lb.	.24¾-	—
l.c.l., dlvd	lb.	.25¼-	—
tanks, dlvd	lb.	.24¼-	—
yellow, distilled, dms., c.l., dlvd	lb.	.24½-	—
	lb.	.24½-	—
l.c.l., dlvd	lb.	.24⅝-	—
tanks, dlvd	lb.	.23⅝-	—



Nothing takes the place of Glycerine

Glycerine in candy? *Of course!*

U.S.P. glycerine is a food. It's almost as sweet as sugar. It's wholesome . . . nutritious . . . digests normally in much the same way as sugars and fats.

And—glycerine is a solvent and extractant for base flavors. It's a softener . . . a humectant. It adds smoothness to mixtures . . . distributes flavors uniformly.

You can find glycerine, too, in flavoring extracts . . . frozen foods . . . meat stamping inks . . . margerine emulsifiers . . . bread preservatives . . . cod liver oil emulsions—in almost every type of food product. Its combination of physical and chemical properties can be matched by no other substance.

That's why in the food industry—and in almost *every* industry—*Nothing takes the place of glycerine!*

GLYCERINE PRODUCERS' ASSOCIATION
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NEW YORK 17, N. Y.

Technical
GLYCERINE NEWS

GLYCERINE SECTIONS OF BEILSTEIN TRANSLATED! Now available for the first time, an English translation of the Glycerine Sections of Beilstein's famous *Handbuch der Organischen Chemie* (4th Edition). Complete in *one* volume entitled "GLYCERINE AND SOME GLYCERINE DERIVATIVES." Publication authorized by the Attorney General of the United States. Compiled and edited by Dr. R. N. Du Puis, Dr. C. S. Miner, Jr. and J. B. Segur—long acknowledged as authorities in the field of Glycerine and its properties. Amassed in its 210 pages are an unusually large number of Glycerine derivatives with extensive cross-references. Also included are a complete table of contents and a detailed index of the derivatives and fatty acid esters of Glycerine. A timely, comprehensive volume for your chemical reference library. Order from the Glycerine Producers' Association enclosing $2.50 (check or money order) for each copy.

★ ★ ★

ARTICLES ON GLYCERINE NOW AVAILABLE WITHOUT CHARGE. Reprints of recent magazine articles on the use of glycerine in various phases of the food industry may be obtained by checking the appropriate item on the coupon below. The titles of these articles are: *Glycerine in Vanilla Flavors* (F-12), *The Use of Glycerinated Eggs* (F-13), and *Glycerine in Candy Coloring Compounds.* (F-14)

★ ★ ★

FOR DIRECT CONTACT FREEZING, glycerine, glycerine-salt, and glycerine-invert sugar solutions have been found by one experimenter to be more satisfactory than any of the other salt, syrup, or combination solutions tested for direct contact freezing. (F-15)

★ ★ ★

A VEHICLE FOR VANILLA contains corn syrup, glycerine U.S.P., and water. The solvent is said to be inexpensive, fluid, stable, and free from fermentation. (F-16)

GLYCERINE PRODUCERS' ASSOCIATION, DEPT. 8
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NEW YORK 17, N. Y.

I should like to know the source of those items appearing in Technical Glycerine News which I have checked below.

☐ F-12 ☐ F-13 ☐ F-14 ☐ F-15 ☐ F-16

NAME.....

COMPANY.....

ADDRESS.....

Glycine—Hematine

Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms..... lb. .28 - .30
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works..... lb. .18 - —
tanks, works..... lb. .17 - —
Gold chloride, acid-brown, bots.. oz.22.00 -22.25
acid-yellow, bots..... oz.20.00 -20.25
Gold of pleasure seed, bgs..... lb. .40 - .41
Goldenseal root, bls..... lb. 3.65 - 4.00
powd. bxs..... lb. 4.25 - 4.50
Gold-sodium chloride, photo, bots. oz.13.50 -14.00
USP IX, bots..... oz.14.50 -15.00
Grains of paradise, bgs..... lb. .28½- .29
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. .21 - .22
No. 2 whse..... lb .23 - —
Grease, house, loose, dlvd..... lb. .04½- —
White, choice, loose..... lb. .06 - —
Wool (see Degras and Lanolin).
Yellow, loose..... lb. .04¾- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs.,works..... lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis lb. .37 - —
11-15%, bbls., same basis lb. .38 - —
Green, chrome, CP, color content 16-20%, bbls., same basis. lb. .38½- —
21-25%, bbls., same basis lb. .39¼- —
26-30%, bbls., same basis lb. .39¾- —
31-35%, bbls., same basis lb. .40¾- —
36-40%, bbls., same basis lb. .42½- —
41-45%, bbls., same basis lb. .44 - —
46-50%, bbls., same basis lb. .45¾- —
50% and over, bbls., same basis lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12¾- —
6-10%, bbls., same basis lb. .13½- —
11-13%, bbls., same basis lb. .14 - —
14-16%, bbls., same basis lb. .14¾- —
17-19%, bbls., same basis lb. .15 - —
20-21%, bbls., same basis lb. .15¼- —
22-23%, bbls., same basis lb. .15½- —
24-25%, bbls., same basis lb. .15½- —
26-27%, bbls., same basis lb. .16 - —
28-29%, bbls., same basis lb. .16¼- —
30-31%, bbls., same basis lb. .17½- —
32-33%, bbls., same basis lb. .18¾- —
Green, chrome, reduced color, 34-35%, bbls., same basis lb. .19¾- —
36-40%, bbls., same basis lb. .22½- —
41-45%, bbls., same basis lb. .24¾- —
46-50%, bbls., same basis lb. .26¼- —
51-55%, bbls., same basis lb. .26 - —
56-60%, bbls., same basis lb. .26½- —
61-65%, bbls., same basis lb. .27½- —
66-70%, bbls., same basis lb. .28¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld..... lb. .33 - .40
Dyes (see Dyes, coaltar).
Green, malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works..... lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 - 5.00
Tungstated, brilliant, kgs..... lb. 3.00 - 4.00
Emerald, kgs..... lb. 2.60 - —
Verdigris (see V).
Grindella robusta herb, bls..... lb. .25 .30
Guaiac resin, cs..... lb. .60 - .65
Wood, bls..... lb. .35 .36
Guaiacol, cryst., tins..... lb. No prices.
Liquid, NF, bots., cbys..... lb. 1.90 - 1.95
Carbonate, dms..... lb. 2.95 - 3.00
Guarana, powd., cs..... lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs..... lb. .90 - .95
Arabic, amber, sorts, bgs..... lb. .12 - .14
powdered, USP, bbls..... lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs..... lb. .45 - .50
Camphor (see C)
Copal, Congo, No. 1, bgs..... lb. .25 - .26
No. 2, bgs..... lb. .18 - .20
No. 3, bgs..... lb. .13½- .15
Manila, loba, B, bgs..... lb. .25 - .27
C, bgs..... lb. .23 - .24¼
CBB, bgs..... lb. .19 - .20
CNE, bgs..... lb. .13½- .15
DBB, bgs..... lb. .17½- .19¼
DK, bgs..... lb. .13 - .14
dust, bgs..... lb. .07 - .08
soft, MA, bgs..... lb. .11 - .13½
WS, bgs..... lb. .21 - .22
Philippine, pale, chips, bgs.. lb. .18½- .20¼
nubs, bgs..... lb. .22 - .24
seeds, bgs..... lb. .15 - .16
sorts, bgs..... lb. .17½- .19¼
Pontianak, chips, bgs..... lb. .22 - .24
nubs, bgs..... lb. .32 - .35
Dammar, Batavia, A D, bgs.. lb. .28 - .30
A/E, bgs..... lb. .22 - .23
dust, bgs..... lb. .08½- .09½
E, bgs..... lb. .13½- .14½
East India, batu, bold, bgs. lb. .10 - .11
nubs & chips, bgs..... lb. .07½- .09
black, bold, bgs..... lb. .12½- .13½
unscraped, bgs..... lb. .09½- .10½
nubs & chips, bgs..... lb. .09½- .10½
pale, chips, bgs..... lb. .13 - .15
nubs, bgs..... lb. .25 - .27
Singapore, No. 1, bgs..... lb. .33 - .35
No. 2, bgs..... lb. .22 - .23
No. 3, bgs..... lb. .10 - .12
dust, bgs..... lb. .09 - .10
seeds, bgs..... lb. .13 - .14
Elemi, cns..... lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..... lb. .13 - .13½
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc..... lb. .13 - .13½
Euphorbium, cs..... lb. .35 - .40
Galbanum, cs..... lb. .75 - .80
Gamboge, pipe, cs..... lb. 1.15 - 1.25
powd., bbls..... lb. 1.35 - 1.40
Ghatti, No. 2, bgs..... lb. .35 - .37
No. 3, bgs..... lb. .31 - .33
Guaiac (see Gualac resin).
Karaya, powd., No. 1..... lb. .51 - .52
No. 2..... lb. .47 - .48
No. 3..... lb. .39 - .40
Kauri, bgs..... lb. .31½- .32¾
Locust bean, powd., bgs..... lb. .31½- .32
Mastic, cs..... lb. 1.80 - 1.90
Myrrh, cs..... lb. .35 - .38
Olibanum, siftings, cs..... lb. .12 - .13
tears, cs..... lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks..... lb. .90 - .95
Scammony, cs..... lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs..... lb. .10 - .11
Tragacanth, No. 1, cs..... lb. 3.00 - 3.25
No. 2, cs..... lb. 2.40 - 2.65
No. 3, cs..... lb. 2.00 - 2.25
powdered, USP, bbls..... lb. 1.35 - 1.45
Yacca, bgs..... lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme., Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt equald ton.18.00 - —
Saltville, Va., frt equald ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, Akron, N. Y., frt. equald
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Gypsum, terra alba, paper bgs., c.l., Harlem River, N. Y., works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs..... lb. .50 - .57
Heliotropin, cryst., cns..... lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .63 - .65
imp., black, whole, bls..... lb. .20 - .25
ground, bxs..... lb. .25 - .30
powder, bxs..... lb. .27 - .32
white, whole, bls..... lb. .30 - .40
powder, bxs..... lb. .35 - .45
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l..... lb .44½- —
No. 1A, bbls., l.c.l..... lb. .41½- —
No. 2, bbls., l.c.l..... lb. .40½- —
No. 3, bbls., l.c.l..... lb. .38½- —
No. 4, bbls., l.c.l..... lb .36½- —
No. 5, bbls., l.c.l..... lb .34½- —
paste, No. 1, bbls., l.c.l..... lb. .19 - —
No. 2, bbls., l.c.l..... lb. .18 - —
No. 3, bbls., l.c.l..... lb .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —

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Since Baker & Adamson first introduced the Saftepak as a container for its reagent Hydrofluoric Acid, chemists the nation over have requested it as a laboratory dispensing bottle. They have been quick to recognize the many desirable features and unusual advantages of this shatterproof plastic container for handling and storing all liquid reagents.

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The B&A Saftepak is made of pure polyethylene, a tough and resilient plastic which is inert or resistant to most chemicals, including organic solvents at ordinary temperatures. The extent of its applications is limited only by the properties inherent with polyethylene. These include resistance to most mineral acids and alkalies at temperatures up to 160° F. and organic solvents with temperatures less than 125° F. Also serviceable at temperatures down to —50° F.

Advantages:

OUTSTANDING POURING CONTROL
Pours drops, needle stream, or full flow depending upon your requirements.

ACCURATE MEASURE
The "siphon-action" pour-out draws back into the bottle any drops clinging to lip when pouring stops.

TRANSLUCENT
Liquid level always visible.

EASY TO HANDLE
The Saftepak with its sturdy encircling label band fits conveniently into your hand for easy pouring.

RESISTANT TO CHEMICALS
Entire unit made of polyethylene, which is highly resistant to almost all liquid chemicals.

SHATTERPROOF
The Saftepak is tough and resilient. Won't shatter, smash or become brittle.

SCREW-TIGHT CAP
Easy reclosure; safeguards contents against contamination; also reduces possibility of spilling or leaking.

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No heavy bottles to handle. Holds 18 ounces.

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SETTING THE PACE IN CHEMICAL PURITY SINCE 1882

* Complete stocks are carried here.

Hemlock bark extract, 25% tannin, bbls., c.l., works..lb. No stocks.
tanks, works ..... lb. No stocks.
Hematine extract, cryst., No. 0,
Henbane leaves, bls..... lb. .30 - .40
Henna leaves, bls. ..... lb. .19 - .21
powd., bbls., bgs. ..... lb. .23 - .25
Heptane, industrial, Bayonne, N. J., tanks..gal. .16 - —
group 3, tanks..... gal. .12½- .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .25 - —
bbls. ..... lb. .25½- —
smaller lots, bgs., same basis. lb. .26 - —
bbls. ..... lb. .26½- —
USP, dms., 500 lbs., or more, same basis..lb. .38½- —
smaller lots, same basis...lb. .39½- —
Diphosphate, USP, bots..... kilo.500.00 - —
Hexamine (see Hexametnylene tetramine).
Hexane, industrial, group 3, tanks, gal. .13½- .14½
Bayonne, N. J., tanks..... gal. .16 - —
Hexanol, normal, dms., c.l., works, lb. .30½- —
l.c.l., works..... lb. .31 - —
tanks, works..... lb .29 - —
Hexyleneglycol (see Methylpentanediol).
Hexylresorcinol, USP, 100 lbs. up, frt. alld..lb.19.00 - —
works ..... lb.19.00 -27.75
smaller lots, frt. alld..... lb.20.00 -21.50
works ..... lb.20.00 -33.50
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo.120.00 - —
1-5 kilos, works ..... kilo.130.00 - —
Homatropine hydrobromide, USP, bots..oz.15.00 -25.00
Hydrochloride, bots..... oz.20.00 -22.00
Methylbromide, NF..... oz.16.00 -18.50
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 7.50 - —
Hops, NF, bls. ..... lb. .40 - .45
Horehound, bls. ..... lb. .12 - .15
Hydrangea root, bls..... lb. .14 - .17
Hydrastine, bots..... oz.53.50 -53.80
Hydrochloride, NF..... oz.29.50 -36.00
Sulphate, bots..... oz.53.50 -53.80
Hydrastinine, 10-grain bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls....lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis..... lb. .23½- —
dms., c.l., same basis..... lb. .20½- —
l.c.l., same basis..... lb. .21½- —
tanks ..... lb. .19¾- —
Hydroquinone, photographic, bbls., dms..lb. .90 - —
tech., dms. ..... lb. .70 - —
Hydroxycitronellal, cns..... lb. 5.35 - 6.50
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots..... oz.18.00 -20.00
Hydrobromide, bots..... oz.18.00 -19.50
Sulphate, bots..... oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .56 - —
No. 2, bbls., l.c.l..... lb. .48 - —
liquid, No. 1, bbls., l.c.l..... lb. .30 - —
No. 2, bbls., l.c.l..... lb. .25 - —
solid, No. 1, bxs., l.c.l..... lb. .44 - —
Hyssop herb, bgs..... lb. .45 - .50
Leaves, bgs. ..... lb. .45 - .50

I

Iceland moss, bgs. ..... lb. .35 - .40
Ichthammol, NF, bots..... lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests..... lb. 2.14 - 2.16
synth., paste, bots..... lb. .23 - —
powd., bbls..... lb. 1.03 - —
Indol, CP, bots..... lb.17.00 -19.00
Inositol, tins, dlvd..... lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse. Staten Island..lb. 1.729 - —
resubl., USP, bots., jars..... lb. 2.55 - 2.63
Iodochlorohydroxyquinolin, NF, dms. lb. 6.40 - —
Iodoform, NF, dms., kgs..... lb. 4.30 - 4.74
Ionone, alpha, cns..... lb. 5.10 -12.30
beta, cns..... lb. 7.05 - 6.50
Methyl (see MD.
IPC, bots., 1-5 lbs..... lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point..lb. 2.30 - 2.50
50 lbs., ship't point ..... lb. 2.40 - 2.52
10-25 lbs., ship't point..... lb. 2.50 - 2.54
Ipecac root, bgs..... lb. 4.25 - 4.50
powd., bgs. ..... lb. 4.65 - 4.90
Irish moss, bleached, prime, bls. .lb. .16 - .18
Iron acetate, liquor, 23° bbls., c.l., works..lb. .09 - —
l.c.l., works ..... lb. .09¾- —
solut., USP IX, cbys..... lb. .16 - —
djns. ..... lb. .17 - —
Cacodylate, NF, bots..... lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works.. 100 lbs. 5.75 - —
l.c.l., works..... 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works.. 100 lbs. 5.00 - 6.00
l.c.l., bbls., works..100 lbs. 5.50 - 8.00
USP, dms., works..... lb. .06¾- .08¼
solut., 42 Be, 100% basis, tanks, works..100 lbs. 3.45 - —
Citrate, gran., dms..... lb. .77 - .79
Gluconate, NF, dms..... lb. .85 - .95
Glycerophosphate, N.F., powd. lb. 4.25 - 4.35
Hypophosphite, NF, dms..... lb. 2.80 - —
Iodide, bots..... lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld..lb. .21¼- .21¾
Oxalate, gran., dms..... lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .84 - .85
Pyrophosphate, soluble, NF VII, gran., dms..lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l..... lb. .34 - —
ton lots ..... lb. .35 - —
less ton lots..... lb. .36 - —
Sulphate, ferric, anhyd., bgs., c.l., works..ton.28.50 - —
l.c.l., works..... ton.29.50 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms..... lb. .09½- .10
Iron by hydrogen, kgs..... lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms..lb. .55 - .58
brown, USP, gran., dms.....lb. .55 - .58
Oxalate, dms..... lb. .25½- .28½
Iron-potassium oxalate fine gran., dms. ..... lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms..lb. .25½- .28½
Isobornyl acetate, cns..... lb. .97 - 1.10
Isobutyl acetate, cns..... lb. .82 - 1.25
Methacrylate, M-5, dms., works.. lb. .60 - —
cns., works ..... lb. .63 - .67
P-5, cns., works..... lb. .60 - —
Propionate, cns..... lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works..... gal. 3.85 - 4.05
tanks, works..... gal. 4.23 - —

Isobutyraldehyde, dms., works...lb. .50 - .53
Isoeugenol, cns..... lb. 3.10 - 3.40
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works..lb.28.00 -35.00
Isopentane, dms., works..... lb. .45 - .55
Isophorone, dms., c.l., works....lb. .23½- —
l.c.l., works ..... lb. .24 - —
tanks, works..... lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. ..... lb. .10½- —
l.c.l., same basis ..... lb. .11 - —
tanks, same basis ..... lb. .09 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
c.l., frt. alld. E .....
Isopropylamine, dms., c.l., works..lb. .24 - —
l.c.l., same basis..... lb. .25 - —
Isoquinoline, dms., c.l., works....lb. .20 - —
l.c.l., works ..... lb. .40 - —

J

Jaborandi leaves, bls..... lb. .15 - .20
Jalap root, NF, bls..... lb. .40 - .45
powd., bbls., bxs..... lb. .45 - .55
Resin, powd., bxs..... lb. 7.15 - 7.25
Juniper berries, bgs..... lb. .09 - .18
Tar, USP, dms..... lb. .40 - .65

K

Kamala, powd., cns. ..... lb. .43 - .45
Kaolin (see China clay).
Kava kava root, bls..... lb. .25 - .30
Kerosene, al refinery: Ark., 42-44 specific gravity, w.w., tanks..gal. .08125- —
Bayonne, 41-43 s.g., w.w., tanks. gal. .064 - —
California,40-43, s.g., w.w., tanks. gal. .121 - .156
Gulf ports, 41-43, s.g.,w.w., tanks. gal. .09 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks. gal. .07875- .08875
Penn., 45 s.g., w.w., tanks..gal. .095 - .10
Kola nuts, bgs ..... lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse.. ton.95.00 -105.00

L

Lady slipper root, bls..... lb. 1.50 - 1.75
Lanolin, anhyd., cosmetic, dms., works..lb. .30 - .32
pharmaceutical, USP, dms., works..lb. .29 - .30
hydrous ..... lb. .28 - .28½
Lard, cash, tres, Chicago..... lb. .13 - .13½
Larkspur seed bgs..... lb. .35 - .40
Laurel berries, bls..... lb. .25 - .26
Leaves, Portuguese, bls..... lb. .10 - .11
Greek, bls..... lb. .08 - .08½
Turkish, bls., recleaned..... lb. .20 - .20½
Lavender flowers, medium, bls..lb. .55 - .60
ordinary, bls. ..... lb. .18 - .20
select, bls..... lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .22¾- —
gran., bbls..... lb. .23½- —
powd., bbls ..... lb. .23½- —
USP, cryst., dms..... lb. .26 - .30
gran., powd., dms..... lb. .26¾- .30¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld..lb. .27 - .30
l.c.l., frt. alld..... lb. .31 - —
1-lb. bgs., c.l., frt. alld..lb. .38 - .41½
l.c.l., frt. alld ..... lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld..lb. .15¼- —
l.c.l., works ..... lb. .16¼- —
Carbonate (see Lead, white).
Chloride, fib. dms..... lb. .49 - —
Iodide, NF V, jars..... lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld..lb. .32¾- —
Metal, pigs, prime, N.Y..... lb. .1475- —
E. St. Louis ..... lb. .1460- —
Metallic paste, dms., 20,000-40,000 lbs., works..lb. .28¾- —
10,000-20,000 lbs., same basis..lb. .29¼- —
2,000-10,000 lbs., same basis lb. .29¾- —
100 to 2,000 lbs., same basis lb. .30¼- —
Prices ex whse, Jersey City, N. J., 4½c. per pound hgher
Naphthenate, liquid, 16% pb, dms., dlvd..lb. .15¼- —
24% Pb, dms., dlvd..... lb. .21 - —
30% Pb, dms., dlvd..... lb. .25½- —
Nitrate, bbls., c.l..... lb. .19 - —
l.c.l. ..... lb. .19¼- —
Oleate, fused, bbls..... lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works..lb. .28¾- —
60% PbO, dms., works..... lb. .27¼- —

A Stream of OILS...

to meet your many needs

Producing the exact linseed oils Industry needs . . . and making those oils available in the amounts called for . . . that's the two-fold way National Lead has built its reputation as a leading producer and supplier of linseed oils.

A Leader in "Know-How"... A century of experience enables National Lead to produce, time after time, a uniformly reliable product for any specific purpose. With National Lead Linseed Oils, you get the precise combination of drying rate, acid number, color, viscosity and other properties you require.

A Leader in Production Facilities . . . A large, new linseed oil plant . . . one of the most modern in existence . . . employs the efficient solvent extraction process and provides for greatly increased production of top-grade raw oil.

Coupled with this great plant are the company's up-to-the-minute refineries, using the most advanced techniques to process raw oil into boiled, oxidized, and heat-bodied oils . . . varnish oils . . . grinding oils . . . and other special types.

So, whenever or wherever you need linseed oil, remember . . . National Lead has the makings of the oil you want, in the amount you need.

. . .

National Lead Company: New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6 (National Lead Company of Mass.); Philadelphia 25 (John T. Lewis & Bros. Company).

NATIONAL LEAD COMPANY

One of the Oldest Names in **OILS**

Lead Peroxide—Manganese Tallate

Lead peroxide, powd., tech., bbls. lb. .33 - .34
Phthalate, dibasic, dms., works lb. .36½- —
Red, 95%, Pb_3O_4, nr less, bbls., c. l., ship't point, frt. alld. lb. .17½- —
ship't point, frt. alld. lb. .18½- —
l.c.l., same basis lb.
97%, Pb_3O_4, bbls. c.l., same basis lb. .17¾- —
l.c.l., same basis lb. .18¾- —
98%, Pb_3O_4, bbls., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Resinate, precip., dms., dlvd lb. .25 - —
Salicylate, normal, dms., works lb. .41¼- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1660- .1725
Stearate, dibasic, dms., works lb. .49¾- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .23¼- —
Tallate, liquid, 16% Pb, dms lb. .14¼- .14¾
solid, 30% Pb, dms lb. .22¼- .22¾
White, basic carbonate, bgs., c.l., ship't point, frt., alld lb. .16¾- —
l.c.l., same basis lb. .17¾- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .15¾- .18¾
l.c.l., same basis lb. .16¼- .19¾
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .18½- —
Lecithin, edible, unbleached, c.l., same basis lb. .15 - —
unbleached, non-ret, dms., same c.l., basis lb. .15 - —
Lemon peel, bls lb. .22 - .25
Leucine, dextro-laevo, dms., works lb. 28.00 -35.00
Licorice extract, mass, cns lb. .45 - —
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —
Lime, agricultural, bgs., works ton. 13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass ton. 9.00 - —
Annville, Pa ton. 10.00 - —
Bellefonte, Pa ton. 10.00 - —
Buffalo, N. Y. ton. 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa. ton. 9.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala ton. 9.75 - —
Knoxville, Tenn ton. 9.75 - —
Limedale, Ark ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va. ton. 10.00 - —
Menominee, Mich ton. 8.00 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn ton. 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa. ton. 10.00 - —
Hydrated, paper bgs., Adams, Mass. ton. 11.50 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Lime hydrated, paper bgs., Buffalo, N. Y. ton. 13.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton. 11.50 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo ton. 9.50 - —
Keystone, Ala ton. 13.00 - —
Knoxville, Tenn. ton. 12.25 - —
Limedale, Ark ton. 10.50 - —
Longview, Ala ton. 13.00 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton. 10.50 - —
Mitchell, Ind ton. 10.00 - —
Petoskey, Mich ton. 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton. 12.00 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton. 13.00 - —
Sherwood, Wis. ton. 10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa ton. 13.50 - —
Spray, paper bags, Adams, Mass. ton. 11.70 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Carey, Ohio ton. 11.00 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio ton. 10.00 - —
Marblehead, Ohio ton. 10.00 - —
Rockland, Me. ton. 10.00 - —
Scioto, Ohio ton. 10.00 - —
Woodville, Ohio ton. 10.00 - —
York, Pa ton. 13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linaloel, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots. lb. 4.20 - 7.20
ex petitgrain, bots lb. 4.25 - 6.00
Lindane, 25%, works, cans lb. 3.00 - 3.05
dms., works lb. 2.95 - —
Linden flowers with leaves, bls lb. .22 - .25
without leaves, bls. lb. .22 - .26
Linseed meal, 34% bulk, Midwest mills ton. 58.00 -59.00
Litharge, com'l. powd., bbls., c.l., ship't., frt. alld lb. .16½- —
l.c.l., same basis lb. .17½- —
Lithium benzoate, dms lb. 1.65 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.10 - 1.15
Chloride, dms. lb. 1.00 - —
Citrate, NF, bbls., dms., kgs lb. 1.25 - —
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.10 - —
Salicylate, dms. lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., ship't point lb. .06¼- —
l.c.l., same basis lb. .06½- .06⅝
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. lb. .85 - .90
Lobelia herb, bls lb. .50 - .55
leaves, NF lb. .80 - .90
Lobeline sulphate, bots., works oz. 25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l., lb. .36½- —
liquid, No. 1, bbls., l.c.l lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .29½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼
Lovage root, imp., bls. lb. 1.00 - 1.10
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.45 - 2.00
Lysine hydrochloride, dextro-laevo. kilo. 145.00 -149.00

M

Mace, Amboyna, bls lb. .73 - .74
Banda, No. 1, bls lb. .98 - .08½
Siauw, No. 1, bls lb. .87 - .88
West Indian, bls lb. .86 - .88
broken, bls. lb. .68 - .69
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt alld lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —

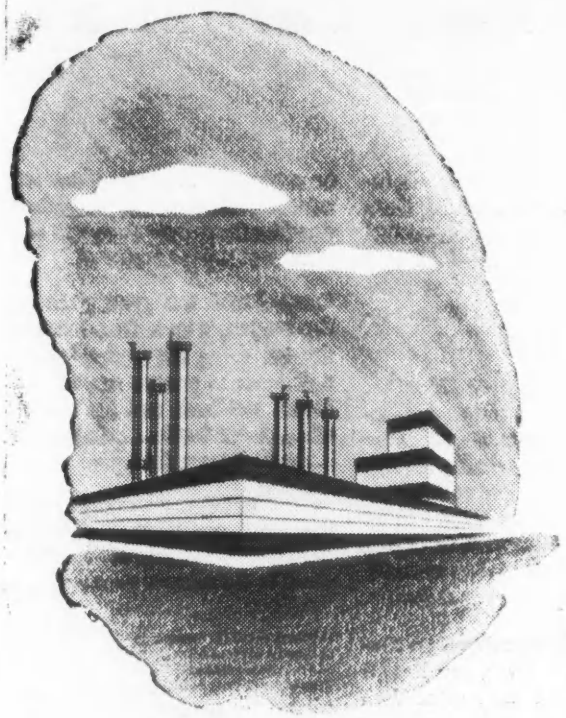
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works lb. .12¼- —
flake, bbls. c.l., works ton. 40.00 - —
l.c.l., works ton. 44.00 -46.00
Gluconate, dms., cns lb. 2.80 - 2.94
Glycerophosphate, dms., works lb. 4.85 - —
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .20¼- —
sticks, cs., works lb. .34 - .38
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton. 67.50 - —
dead-burnt, bulk, c.l., Chewalah, Wash ton. 30.50 - —
Maleic anhydride, dms., c.l., frt. alld lb. .30 - —
l.c.l. lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls lb. 1.00 - 1.25
Blue, bls. lb. .95 - 1.10
Leaves, bls lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .33 - .35
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs. lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls. lb. .19 - —
Chloride, anhyd., dms., works lb. .24 - —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
burlap bgs., c.l., works ton. 71.75 - —
l.c.l., works ton. 74.75 -79.79
paper bgs., c.l., works ton. 70.00 - —
l.c.l., works ton. 73.00 - —
85-90%, bbls., c.l., works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
Gluconate, dms., cns lb. 3.00 - 3.25
Glycerophosphate, NF, fcb. dms lb. 4.15 - 4.25
Hydrate, bbls., dlvd lb. .26 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .29¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs. dlvd. East lb. .30 .32
Naphthenate, liquid, 6% Mn, dms., frt. alld. lb. .22¾ .23
Oleate, precip. bbls lb. .33½- —
Resinate, fused, 3½% Mn, dms lb. .20 - —
precip., dms lb. .21½- —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton. 60.00 - —
l.c.l., dlvd. S. E. ton. 67.00 —
feed grade, 80%, bgs., dlvd. S. E. lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E ton. 68.50 —
l.c.l., dlvd. S. E. ton. 75.50 —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.

one of many DOW chemicals serving American Industry

SODIUM SULFIDE

Now Readily Available



Also available are:
Magnesium Chloride
Epsom Salt
Hydrochloric Acid
Monochlorobenzene

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CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

A GREAT NEW NAME IN FERTILIZERS!

Phillips 66

From huge plants in the Texas Panhandle and near Houston, Phillips Chemical Company now offers important and reliable sources of supply for users of Ammonium Sulfate, Ammonium Nitrate, Nitrogen Solutions and Anhydrous Ammonia. Place your orders now for delivery during the 1949-50 fertilizer year.

Ammonium Sulfate — Houston, Texas, available now by rail or water in bags or bulk.

Ammonium Nitrate—Etter, Tex., available approximately November 15, 1949, by rail or truck in bags.

Nitrogen Solutions — Etter, Texas, available approximately September 15, 1949, in tank cars.

Anhydrous Ammonia — Etter, Texas, available now in tank cars.

Phillips Chemical Company

FERTILIZER SALES DIVISION

Bartlesville, Oklahoma

Mangrove Bark—Monotertiarybutylmetacresol

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock..ton. No stocks.
So. American, same basis..ton.65.00 -68.00
Manna, flake, large, cs.....lb. 1.25 - 1.35
small, cs.....lb. .85 - 1.00
Mannitol, com'l, dms., works.....lb. .40 - .43
reagent, 50-lb. dms., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls.....lb. .16 - .16½
French, bls.....lb. .34 - .34½
Matico leaves, bls.....lb. .25 - .28
Menadione, USP, bots., works gram. .06½ —
Menthol, natural, USP, Brazilian..lb.11.15 -11.25
synthetic, USP, racemic, cns....lb. 7.25 Nom.
Menthyl salicylate, tins.....lb. 4.25 - 4.35
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots..lb. .27 - —
less ton lots, same basis lb. .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd.....lb. 3.27 - 3.32
Iodide, red, NF, dms.....lb. 4.32 - —
Yellow, NF, fib. dms.....lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms.....lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Metaldehyde, dms., works.....lb. .78 - —
Metachloranilin, dms., works.....lb. .75 - —
Metacresol, 98%, dms., c.l., works.lb. .55 - .80
works, l.c.l..lb. .56 - —
80-82%, dms., works.....lb. .35 - —
70-75%, dms., works.....lb. .30 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l., dms.....lb. .22 - —
tanks.....lb. .20 - —
Metanitroparatoluidin, bbls.....lb. 1.28 - 1.33
Metaphenylenediamine, kgs.....lb. .76 - —
Metatoluidine, bbls., works.....lb. .80 - —
Metatolylenediamine, kgs.....lb. .85 - —
Methanol, natural, dms., c.l., frt. alld..gal. .58 - —
l.c.l., frt. alld.....gal. .61 - —
tanks, frt. alld.....gal. .50 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .38 - —
l.c.l., frt. alld.....gal. .41 - —
tanks, frt. alld.....gal. .26 - —
zone 2, dms., c.l., frt. alld.. gal. .45 - —
l.c.l., ex whse.....gal. .47½- —
tanks, frt. alld.....gal. .31 - —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld..gal. .38 - —
tanks, frt. alld.....gal. .26 - —
West of Rockies, dms., c.l., frt. alld..gal. .45 - —
tanks, frt. alld.....gal. .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more..lb. 7.25 - —
1 to 49-lb. lots, works.....lb. 8.75 - —
Methoxychlor, dealers, dms., cs., works..lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1..lb. .17¼- —
l.c.l., same basis.....lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetate, dms., c.l., dlvd., N. Y. lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Acetoacetate, dms., c.l., works. lb. .49½- —
l.c.l., same basis.....lb. .50 - —
tanks, works.....lb. .48 - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .60 - —
l.c.l., same basis.....gal. .71 - —
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity..gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E..gal. .53 - —
frt. alld. W.....gal. .57 - —
l.c.l., works, frt. alld. E..gal. .56½- —
frt. alld. W.....gal. .60½- —
tanks, works, frt. alld. E..gal. .43½- —
frt. alld. W.....gal. .47 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Methol alcohol (see Methanol).
Anthranilate, 500 lbs. or more..lb. 2.10 - —
smaller lots.....lb. 2.20 - 3.00
Benzoate, cns.....lb. .55 - 1.20
Bromide, dealers, cns.....lb. .69 - .71
cyls.....lb. .60 - .78
Chloride, indust., cyl., works...lb. .17 - —
tanks, multi-unit, works....lb. .13 - —
single-unit, works.....lb. .10½- —
refrigerator mfrs., cyls., dlvd... lb. .37 - —
other consumers or service men, cyls., dlvd..lb. .42 - —
Cinnamate, cns.....lb. 1.48 - 1.65
Formate, refd., dms.....lb. .35 - .40
tech., non-ret. dms., any quantity, works..lb. .08 - —
tanks, works.....lb. .07 - —
Heptin carbonate, bots.....lb.36.00 -58.00
Iodide, bots., cbys.....lb. 3.00 - 4.85
Lactate, dms., l.c.l., works.....lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works.....lb. .48 - .58
P-1, cns., works.....lb. .60 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms.....lb. 1.90 - 2.00
Roseanilin chloride, USP, bots.. lb. 5.15 - 5.30
Salicylate, USP, dms., 500 lbs..lb. .40 - —
25-50 lbs.....lb. .45 - —
Testerone, USP, 100 gms.....gm. 3.75 - —
Methylal, refined, 95%, dms., c.l...lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .04½- —
Methylamyl acetate, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Ketone, dms., works.....lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld.....lb. .68 - —
2,000 lbs. and more, same basis..lb. .70 - —
smaller lots, frt. alld. on 100 lbs..lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld..lb. .62 - —
2,000 lbs. and more, same basis..lb. .63 - —
smaller lots, frt. alld. on 100 lbs..lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald..lb. 2.87 - —
smaller lots, kgs., same basis. lb. 3.02 - 3.22
Chloride, indust., dms., c.l., dlvd. E..lb. .12½- —
l.c.l., dlvd. E.....lb. .13½- —
tanks, dlvd. E.....lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, tech., dms., works..lb. .60 - —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .16½- —
l.c.l., works, dlvd.....lb. .17 - —
tanks, works, dlvd.....lb. .15 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works..lb. .03⅞- —
roofing, 20 to 80 mesh, works lb. .03⅛- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E..lb. .07¾- —
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E..lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E..lb. .07¾- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E..lb. .07¾- —
Mica, wet-grd., W. of Miss. R., ½c. higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l..lb. .10½- .12¾
spray, bbls., c.l.....lb. .12½- .13¼
Whole, roller, bbls., c.l.....lb. .26 - .33
spray, bbls., c.l.....lb. .28½- .35¼
Sugar, crude, bgs., c.l., works..lb. .17 - —
edible, bbls., works, 30,000-lb. lots..lb. .24 - —
2,000-lb. lots.....lb. .24¾- —
200-1,800-lb. lots.....lb. .25¼- —
USP, bbls., works, 30,000-lb. lots..lb. .26 - —
2,000-lb. lots.....lb. .26¾- —
200-1,800-lb. lots.....lb. .27¼- —
Molasses, blackstrap, tanks.....gal. .08 - .08½
New Orleans.....gal. .06½- —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs..lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. alld..lb. .07 - .08
l.c.l., works, frt. equald.....lb. .08 - .10
tanks, works, frt. equald.....lb. .06 - .06¼
Monoethanolamine, dms., c.l., frt. alld. E..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
tanks, same basis.....lb. .25½- —
Monoethylamine, dms., c.l., works, basis 100%..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%. lb. .35 - —
l.c.l., same basis.....lb. .35½- .36
tanks, same basis.....lb. .31 - —
Monomethylanilin, dms., works..lb. .70 - —
Monononylnaphthalene, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works..lb. .50 - —
l.c.l., works.....lb. .51 - —
tanks, works.....lb. .49 - —

"We invited Felton chemists to recommend suitable new perfumes for our 1949 line of Casco Aerosol room deodorants and insecticides. I attribute a good part of increased sales this year to the improvements which their recommendations and perfumes made in our Aerosol line."

John J. Reidy
Sales Manager,
Appliance Division
Casco Products Corp.
Bridgeport 2, Conn.

And this has been the history, too, of many other companies like Casco who have used Felton service and Felton products in many household items such as insecticide sprays, room deodorants, liquid soaps and polishes, and numerous industrial products, as for example leather, textiles, printing inks, rubber, plastics, paper, paint, and many others.

Just send us a sample of your product and our laboratories will be happy to recommend the most effective odorant for your particular purpose.

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BRANCHES IN BOSTON • PHILADELPHIA • LOS ANGELES
ST. LOUIS • CHICAGO • MONTREAL • TORONTO

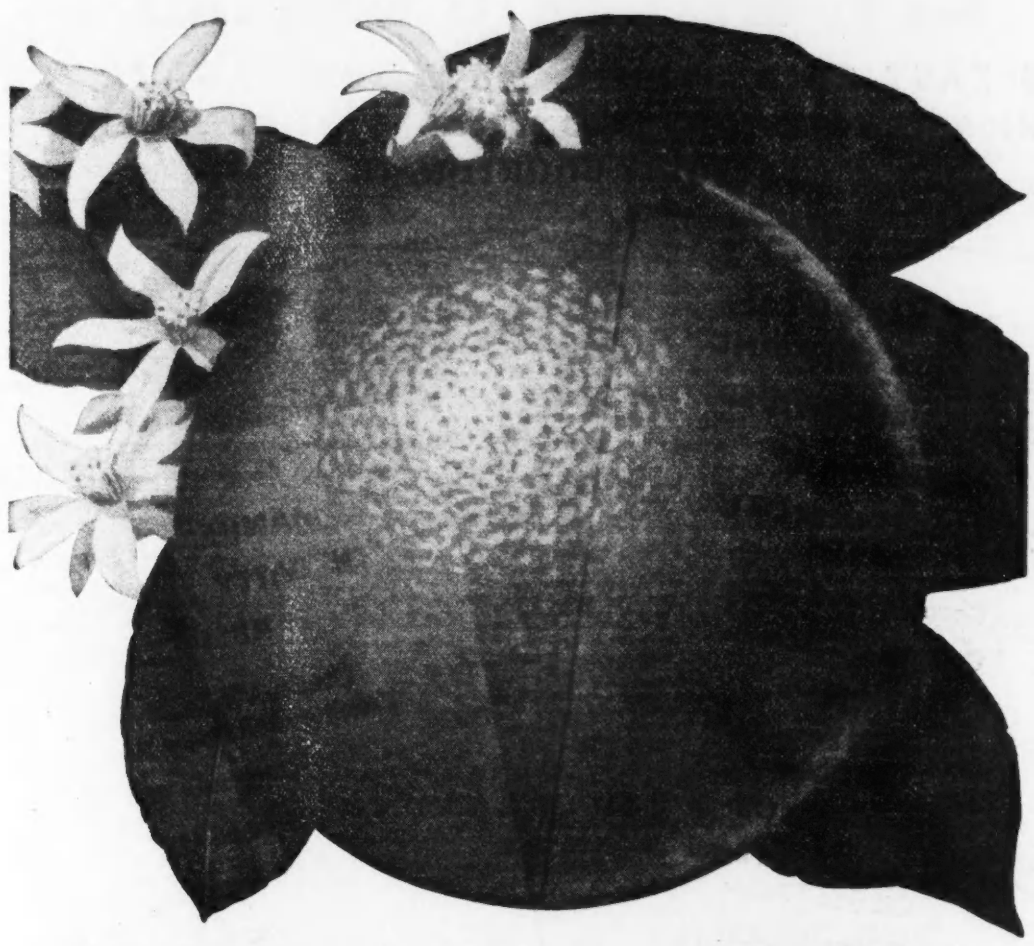
Morphine, cns. ..... oz. 12.35 -12.40
Acetate, cns. ..... oz. 9.85 - 9.90
Hydrobromide, cns. ..... oz. 9.80 - —
Hydrochloride, NF, cns ..... oz. 9.90 - —
Sulphate, USP, cns ..... oz. 9.90 - —
Morpholine, dms., c.l., works ..... lb. .59½- —
l.c.l., works ..... lb. .60 - —
smaller containers, works ..... lb. .75 - —
tanks, works ..... lb. .58 - —
Mountain ash berries, bgs ..... lb. .55 - .57
Mullein flowers, cs. ..... lb. 1.25 1.30
Leaves, bls. ..... lb. .12 - .16
Musk, nat., Tonquin, grains, bots. oz. 25.00 -30.00
synthetic—Ambrette, 100 lbs ..... lb. 5.40 - —
25 lbs ..... lb. 5.50 - —
5 lbs ..... lb. 5.65 - —
Ketone, 100 lbs ..... lb. 4.95 - —
25 lbs. ..... lb. 5.05 - —
5 lbs ..... lb. 5.20 - —
Xylol, 100 lbs. ..... lb. 1.60 - —
25 lbs. ..... lb. 1.70 - —
5 lbs ..... lb. 1.85 - —
Musk root, bls ..... lb. No prices.
Mustard seed, Calif., brown ..... lb. .22 Nom.
Danish, bgs. ..... lb. .15 - .15½
Dutch, yellow, bgs ..... lb. .15 - .15½
English, yellow, bgs ..... lb. .12¾- .13
Montana, brown, bgs., source ..... lb. .05¾- .06
Oriental, bgs., source ..... lb. .06¼- .06½
yellow, bgs., source ..... lb. .11½- .12
Washington, yellow, source, bgs lb. .12 - .12½
Myrobalans, J1, assorted, ex dock. ton. 61.00 -62.00
J2, ex dock ..... ton. 52.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.)
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald ..... lb. .06 - —
tanks, same basis ..... lb. .0525- —
78°, bgs., c.l., works, frt. equald ..... lb. .0635- —
l.c.l., same basis ..... lb. .0660- —
bbls., c.l., same basis ..... lb. .0635- —
l.c.l., same basis ..... lb. .0660- —
78°, dms., c.l., same basis ..... lb. .0750- —
l.c.l., same basis ..... lb. .08 - —
tanks, same basis ..... lb. .0575- —
refined, industrial, bbls., c.l., frt. equald ..... lb. .10 - —
bgs., c.l., same basis ..... lb. .10½- —
tanks, same basis ..... lb. .09 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis. lb. .13¾- —
1-lb. pkgs., c.l., same basis lb. .15¼- —
Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ..... ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns ..... lb. 2.00 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd ..... lb. .50 - —
Carbonate, bbls., dlvd ..... lb. .48 - .50
Chloride, bbls., dlvd ..... lb. .23 - —
Cyanide, bots., dms ..... lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd ..... lb. .43½- —
Metal, electro cathodes, cs ..... lb. .40 - —
Nitrate, bbls., works ..... lb. .24½- .25¼
Oxide, black, bbls ..... lb. .42 - —
Sulphate, bgs., c.l., dlvd ..... lb. .18 - —
l.c.l., dlvd ..... lb. .18½- —
Nicotinamide, USP, dms., works kilo. 11.00 -11.30
Hydrochloride, dms., works .. kilo. 10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. dm. 53.65 —
tins, 10 lbs., dealers, frt. alld. on cases of 6 ..... tin. 11.80 - —
Nikethamide, bots., cbys lb. 5.50 - 6.60
Nitercake, bulk, works ..... ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .09½
l.c.l. ..... lb. .10 - .11
tanks ..... lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., bbls., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l. same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb. .33 - —
l.c.l., same basis lb. .34 - .36
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works lb. .30 —
Nitrogen solution, tanks, works, N ton. 120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo. unit-ton. 3.50 - 3.60
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., works lb. .30 - —
Nitropropane, 1, dms., works ..... lb. .30 - —
2, dms., works ..... lb. .30 - —
Nutgalls, Aleppo, bgs ..... lb. .43 - —
Chinese, bgs ..... lb. .30 - —
Istrian, bgs ..... lb. .31 - —
Nutmeg, East Indian, bgs ..... lb. .41 - .42
futures, bgs. ..... lb. .40 - .41
West Indian, bgs ..... lb. .33 - .34
futures ..... lb. .32 - .33
Nux vomica, brs ..... lb. .10 - .12
powdered, bbls., bxs ..... lb. .13 .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l. ..... gal. .21 - .60
tanks ..... gal. .15½- —
10° C, Bayonne, N. J., tanks gal. 16 - —
Octanol, normal, tech., dms., c.l., dlvd ..... lb. .34½- —
l.c.l., dlvd ..... lb. .36½- —
tanks, dlvd ..... lb. .32 - —
Oil, abies siberica, cns ..... lb. 2.35 3.10
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots lb. 3.85 5.00
NF, bots ..... lb. 3.85 - 4.75
Sweet, dms., cns ..... lb. .75 - .95
Angelica root, bots ..... lb. 120.00 -190.00
Seed, bots lb. 80.00 -100.00
Anilin (see A)
Anise, USP, Chinese, dms ..... lb. .72 - 1.05
Apricot kernel, USP, dms ..... lb. .42 - .56
Avocado, cns., dms lb. 1.00 1.10
Babassu, crude, tankcars ..... lb. .19½- —
Oil, bay, NF, Puerto Rican, 50-55%, cns lb. 1.20 - 1.50
55-80%, cns. ..... lb. 1.20 - 1.60
West Indian, 50-55%, cns. . lb. 1.20 - 1.60
Bergamot, artif., cns ..... lb. 2.00 - 4.25
natural, Italian, cns ..... lb. 4.00 - 4.50
Birchtar, crude, cns ..... lb. .95 1.76
rectified, NF, cns ..... lb. 4.15 - 4.25
Bois de rose, Brazil ..... lb. 2.75 - 2.85
Mexican (see Oil, lignaloe wood)
Bone, dms., works ..... gal. .65 .70
Cajeput, tech., dms ..... lb. 1.65 - 2.00
redistilled, USP, cns ..... lb. 2.20 - 4.50
Calamus, cns ..... lb. 20.00 -28.00
Camphor, natural, white, cns lb. .40 .50
dms. ..... lb. .27 - .40
Cananga, native, cns ..... lb. 1.95 - 2.55
rectified, cns ..... lb. 2.60 2.85
Capsicum (see Capsicum oleoresin.
Caraway, NF, cns ..... lb. 4.75 - 6.50
Cardamom, NF, bots ..... lb. 46.50 -55.00
Cassia, USP, cns ..... lb. 1.80 - 2.40
Castor, blown, dms., c.l ..... lb. .20¼- —
dms., l.c.l. ..... lb. .20¾- —
standard, USP, dms., c.l ..... lb. .18¼- —
l.c.l. ..... lb. .18¾- —
tanks ..... lb. .17¼- —
refined and deodorized, dms., c.l lb. .19¾- —
l.c.l. ..... lb. .20¼- —
tankcars ..... lb. .18¾- —
dehydrated, bodied, dms., c.l. lb. .22 - —
l.c.l. ..... lb. .22½- —
tanks ..... lb. .21 - —
unbodied, dms., c.l ..... lb. .21 - —
l.c.l. ..... lb. .21½- —
tanks ..... lb. .20 - —
hydrogenated, dms., c.l., works, lb. .28 - —
l.c.l., same basis ..... lb. .27 - —
No. 3, tech., dms., c.l. ..... lb. .17 - —
l.c.l. ..... lb. .17½- —
tanks ..... lb. .16 - —
sulphonated, 50% (48% fat), dms lb. .12 - .13
75% (60-62% fat), dms ..... lb. .15¾- .16¼
Oil, cedarleaf, USP, cns., dms ... lb. 1.95 - 2.85
tech., dms ..... lb. 1.70 - 1.80
Cedarwood, cns ..... lb. .40 - .55
dms. ..... lb. .34 - .50
Celeryseed, bots. ..... lb. 15.00 -16.50
Chaulmoogra, NF, cns., dms ... lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots ..... lb. 27.00 -60.00
Leaf, Ceylon ..... lb. 1.50 1.75
Seychelle ..... lb 1.20 —
Citronella, Ceylon, cns ..... lb. .79 - 1.05
Java type, cns ..... lb. 1.55 - 1.85
Clove, USP from Madagascar buds, cns., dms lb. 1.25 1.55
from Zanzibar, buds, cns., dms lb. 1.60 1.95
Coconut, crude, tanks, Atlantic ports lb. .16½- —
Pac. Coast. ..... lb. .15 - —
refined, Cochin type, tax incl. dms., l.c.l lb. 21½- —
deodorized, tax incl., dms., l.c.l lb. 24 —
Cod, Newfoundland, dms ..... lb. .12 Nom.
Codliver, USP, dms ..... gal. 2.20 - 2.30
Coriander, bots ..... lb. 29.50 -37.50
Corn, crude, tanks, works ..... lb. .13¾- —
foots, acid, 95% tanks dlvd E lb. 03¾ Nom.
raw, 50%, tanks, dlvd. E lb. 01¾ Nom.
refined, tanks, mills ..... lb. .16¼- —
dms., New York ..... lb. .19 - .19½
Costus, bots. ..... oz. 30.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .14½- —
foots, acid 95% tanks dlvd. E lb. .03¾- Nom.
raw, 50%, tanks, dlvd. E lb .01¾ Nom.
refined, dms. ..... lb. .20¾- .21
tankcars ..... lb. .18½- —
Creosote (see Creosote, coaltar)
Oil, croton, NF, cns ..... lb. 4.75 - 5.50
Crude (see Petroleum, crude)
Cubeb, cns ..... lb. 7.00 - 7.50
Cumin, bots. ..... lb. 6.25 -11.50
Cypress, bots. ..... lb. 11.00 -15.00
Degras (see D).
Dillseed, bots ..... lb 9.00 9.50
Dillweed, bots., dms ..... lb. 7.35 - 8.60
Dip (see D).
Erigeron, cns lb 5.00 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .70 1.45
70-80%, cns ..... lb. .58 - 1.30
Fennel, sweet, cns lb. 2.75 3.00
Fir, Canada, cns ..... lb. 1.85 1.95
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms 1,000,000 units. .19 - .20
20,000 to 80,000 A units, dms 1,000,000 units. .22 - .28
pharmaceutical, or food, 50,000 to 125,000 A units, dms., 1,000,000 units. .30 - .31
200,000 A units, dms 1,000,000 units. .40 - .42
Fishliver, concentrate, 100,000 A units, dms 1,000,000 units. .35 - —
200,000 A units, dms 1,000,000 units. .40 - —
300,000 A units, dms 1,000,000 units. .43 - —
400,000 A units, dms 1,000,000 units. .44 - —
500,000 A units, dms 1,000,000 units. .47 - —
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 6.25 9.50
Gaultheria (see Oil, wintergreen)
Geranium, Algerian, cns ..... lb. 10.50 -12.00
Bourbon, cns ..... lb. 12.00 -13.00
Turkish (see Oil, palmarosa).



THE WORLD'S FINEST ORANGE OIL

Made exclusively from oranges from the Sunkist Groves of California.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil.

Give it all your tests for *quality, uniformity* and *strength*. Then you'll buy Exchange Brand.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Exchange
OIL OF
ORANGE
U. S. P.

Oil, Ginger—Opium

Oil, Ginger, dist., bots lb. 13.25 -17.00
Grapefruit lb. .80 - 1.25
Grease, No. 1, dms lb. .10¼- .10¾
extra, winter, strained, dms lb. .11¼- .11¾
prime, burning, dms lb. .12¾- .13¼
Guaiacwood, cns lb. 1.85 - 2.15
Hemlock, cns lb. 1.65 - 2.75
Herring, crude, tanks, Pac. coast, lb. No prices.
Juniper berry, NF VIII, bots lb. 3.00 - 7.00
twice rectified lb. 4.75 - 5.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots lb. 9.75 -12.50
Lavandin, cns lb. 1.10 - 1.65
Lavender flower, French, 38-42% ester, cns lb. 3.20 - 4.35
30-32% ester, cns lb. 2.45 - 3.10
Spike, Spanish, cns lb. .90 - 1.05
Lemon, USP, Calif. cns lb. 2.80 - 3.00
Messina lb. 2.60 - 5.00
terpeneless, bots lb. 32.00 -65.00
Lemongrass, cns., dms lb. 1.60 - 2.05
Lignaloe seed, Mexican, cns lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb. 2.75 - 5.20
Lime, distilled, Mexican, cns lb. 7.00 - 7.50
West Indian, cns lb. 7.25 - 7.50
expressed, West Indian, cns lb. 6.75 - 9.75
terpeneless, bot lb. 62.00 -65.00
Linseed, raw, dms., c.l. lb. .2260- —
l.c.l. lb. .2340- .2400
tankcars lb. .2160- —
tankwagon lb. .2190- —
Boiled linseed oil .007 higher than raw.

Oil, lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks, gal. .225 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .285 - —
Penna., W. cylinder, 600-680 flash, tanks gal. .33 - .38
600-650 steam refd., tanks, gal. .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks, gal. .37 - .39
200 vis., 25 pour, tanks, gal. .39 - .41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks, gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks gal. .11 - .12¼
Mace, dist., cns., dms lb. 3.75 - 5.35
Mandarin, Brazilian, cns lb. 4.25 - 8.40
Italian, cns lb. 8.90 - 9.75
Menhaden, crude, tanks, Balto lb. .05½- .06
refined, alkali, dms lb. .1180- —
kettle-bodied, dms. lb. .1330- —
light-pressed, dms. lb. .1080- —
tanks lb. .0920- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns lb. 1.40 - 1.70
Seed, expressed, dms lb. .18 - .18½
Neatsfoot, 15°, dms lb. .27 - —
20°, dms lb. .25 - —
30°, dms lb. .22 - —

Oil, neroli, French, bots lb. 75.00 -390.00
Haitian, bots lb. 175.00 -200.00
Niaouli, cns lb. 2.75 - 3.25
Nutmeg, dist., East Indian, cns., dms lb. 3.75 - 5.35
West Indian, cns., dms lb. 3.65 - 4.65
Ocotea cymbarum, dms lb. .46 - .60
Oiticica, liquid, dms lb. .18¼- .18½
Oleo, oil, extra, trcs lb. .13 - —
Olibanum, bots lb. 4.50 - 6.25
extra fine, bots lb. 6.25 -10.50
Olive, denat., dms gal. 3.05 - —
edible, Calif., dms gal. 3.40 - —
Spanish, dms., duty-paid gal. 3.50 - 3.60
Moroccan, dms., duty-paid, gal. 3.40 - 3.50
foots, dms lb. .19¾- .21
sulphonated, 50% (40% fat), dms., c.l. lb. No stocks.
l.c.l. lb. No stocks.
75% (62% fat), dms., c.l. lb. No stocks.
l.c.l. lb. No stocks.
Orange, sweet, natural, dist., cns., lb. .50 - .60
expressed, USP, Brazilian, cns lb. .80 - 1.25
Calif., cns lb. .88 - 1.00
Florida, cns., dms lb. .55 - 1.00
Messina, coppers lb. 3.25 - 5.00
West Indian, cns lb. 2.25 - 3.75
sesquiterpeneless, bots lb. 55.00 -135.00
Origanum, Spanish, cs lb. 2.40 - 3.50
Palm, Congo, dms lb. .13½- —
Palmarosa, cns. lb. 6.50 - 9.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal. .11½- —
Patchouli, dms lb. 6.50 - 7.50
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, works lb. .17 - —
foots, acid, 95%, tanks, dlvd, E lb. .03¾ Nom.
raw, 50%, tanks, dlvd. E lb. .01¾ Nom.

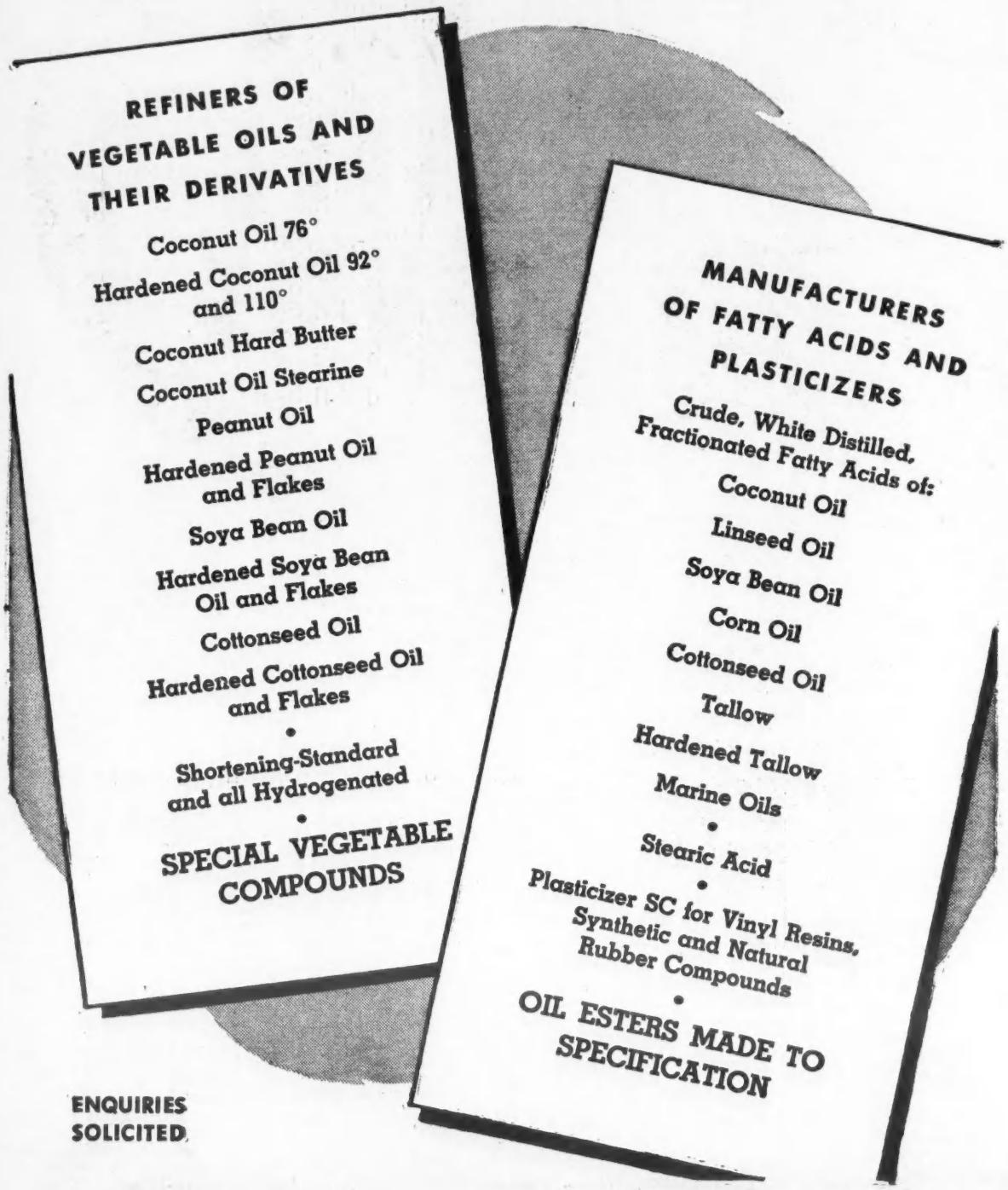
Oil, peanut, refined, tanks, dlvd. E lb. .21¾ Nom.
drums lb. .23½- .24
Pennyroyal, USP, dom., cms., cns. lb. No stocks.
imported, cns lb. 2.20 - 2.75
Peppermint, natural, dms lb. 5.50 - 6.35
redist., USP, dms lb. 5.95 - 6.75
Persic, USP (see Oil, apricot kernel).
Perilla, crude, cms lb. No stocks.
Petitgrain, Paraguay, cns lb. 2.20 - 2.80
Pimento berry, dms lb. 4.25 - 6.00
leaf, cns lb. 1.50 - 1.80
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - .69
l.c.l., works, South gal. .61 - .70
dms., incl., c.l., works, South lb. .07½- —
l.c.l., works, South lb. .08 - —
ex whse., N. Y. C. gal. .70 - —
ex whse., N. Y. C. lb. .09½- —
tanks, works, South lb. .062 - —
tanks, works, South gal. .60 - —
steam-dist., dms., ex whse., non-ret, dms., incl., l.c.l., ex whse., N. Y. C. lb. .09½- —
Pineneedle, Siberian (See oil, abies siberica).
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal. .13½- —
light, dms gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .20 - —
Red, single dist., dms lb. .11½- .12½
tanks lb. .10¼- —
saponified, dms lb. .10¾- .11¼
double dist, dms lb. .14 - .15
tanks lb. .12¾- —
Rose, natural, Bulgarian, cop-pers oz. 25.00 -38.00
Rosemary, Spanish, tech., cns., dms lb. .75 - 1.50
USP, cns., dms lb. .85 - 1.60
Rosin, first rectified, dms gal. .66 - —
2d rectified, dms gal. .68 - —
3d rectified, dms gal. .78 - —
Rue, bots lb. 3.25 - 5.00
Sage, clary, bots lb. 14.30 -16.00
Dalmatian, cns lb. 2.75 - 3.10
Spanish, cns lb. 1.05 - 3.50
Sandalwood, NF, cns lb. 13.75 -16.60
Sardine, crude, tanks, Pac. coast, lb. .06 - —
refined, alkali, dms lb. .1180- —
kettle-bodied, dms. lb. .1330- —
light-pressed, dms. lb. .1080- —
tanks lb. .0920- —
Sassafras, artificial lb. .40 - .55
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms lb. 1.80 - 2.30
Savin, cns. lb. 3.00 - 3.25
Savory, cns lb. 8.00 - —
Seal, No. 1, tanks, U. S. ports lb. No prices.
Sesame, ref., dms., l.c.l. lb. .41 - —
Shingle stain, bbls., c.l., works gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Snakeroot, Canada, cns lb. 18.75 -19.25
Soybean, crude, tanks, mills lb. .12 - —
foots, acid, 95%, tanks, dlvd. E lb. .03¾ Nom.
raw, 50%, tanks, dlvd. E lb. .01¾ Nom.
refined, alkali, dms., c.l. lb. .1465- —
l.c.l. lb. .1530- .1550
tanks lb. .1345- —
clarified, dms., c.l. lb. .1365- —
l.c.l. lb. .1430- .1450
tanks lb. .1245- —
edible, dms lb. .16 - .16½
tanks lb. .15 - —
Spearmint, dms. lb. 3.55 - 4.10
Sperm, bleached winter 45° tank-cars lb. .1770- —
drums lb. .1870- .1920
natural winter 45°, tankcars lb. .16½- —
drums lb. .17½- .18
Spruce, cns., dms lb. 1.65 - 2.75
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns lb. 6.50 - 7.00
Southern, cns. lb. 1.95 - 3.65
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms lb. .10¼- .10¾
Tar, pine, coml.' dms., incl., c.l., works, South gal. .41 - .43¾
l.c.l., works, South gal. .43 - .45½
whse., N.Y.C. gal. .52¼- .54¾
tanks, works, South gal. .32 - .34½
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms lb. .25 - —
Theobroma (see Cocoa butter).
Thyme, NF, red, cns lb. 2.05 - 3.35
white, cns lb. 2.30 - 3.80
technical, white, cns lb. .35 - 1.00
Tung, dom., tanks, mills lb. .20½ Nom.
imported, dms., c.l. lb. .23 - —
l.c.l. lb. .23½- —
tanks lb. .21¼- .21¼
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .35 - .55
Vetiver, Bourbon, cns lb. 11.75 -14.00
Haitian, cns lb. 11.10 -13.50
Java, cns lb. 10.40 -15.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, dms gal. 10.00 -12.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .48½- —
l.c.l., same basis gal. .51½- .56¼
65-75 vis., dms., same basis, gal. .48½- —
l.c.l., same basis gal. .51½- .56¼
USP, 80-90 vis., dms., c.l., same basis gal. .52 - —
l.c.l., same basis gal. .55 - .60
125-135 vis., dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - .68
145-155 vis., dms., c.l., same basis gal. .63 - —
l.c.l., same basis gal. .66 - .71
175-185 vis., dms., c.l., same basis gal. .64½- —
l.c.l., same basis gal. .67½- .72¼
200-210 vis., dms., c.l., same basis gal. .68 - —
l.c.l., same basis gal. .71 - .76
335-345 vis., dms., c.l., same basis gal. .74 - —
l.c.l., same basis gal. .77 - .82
Wintergreen, nat., Northern, cns. lb. 8.75 -14.50
Southern, cns lb. 3.65 - 5.60
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 3.50 - 3.75
Wormwood, cns lb. 6.50 - 7.00
Ylang-ylang, Bourbon, bots lb. 7.00 - 7.50
extra, bots. lb. 10.00 -11.00
Madagascar, bots lb. 6.25 - 6.75
Olein, crude (see Oil, red).
white, low titre, dms lb. .14 - .15
tankcars lb. .12¾- —
Oleostearin, bbls lb. .10 - —
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works ton. 10.00 - —
paper, bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP, cns. lb. 21.65 -21.90

E. F. DREW & CO. INC.

15 EAST 26th STREET, NEW YORK 10, N. Y.

CHICAGO • BOSTON • MONTREAL • RIO DE JANEIRO

FACTORY: BOONTON, N. J.



ENQUIRIES SOLICITED

Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies	lb.	1.10	—
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.30¼	—
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Orange, chrome dinitroanilin toner	lb.	1.15	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.2085	—
Molybdate	lb.	.43	—
Orange, Persian, bbls.	lb.	.30	.45
Orange flowers, nls.	lb.	.40	.45
Orange peel, bitter, Haitian, bls.	lb.	.14	.16
Sweet, bls.	lb.	.14	.16
Oregano, Mexican, bgs.	lb.	.12	.12½
Portuguese, bgs.	lb.	.20	.20½
Sicilian, bgs.	lb.	.18	.18½
Orris root, Florentine, bls.	lb.	.22	.25
powdered, bbls., bxs.	lb.	.26	.29
Verona, bls.	lb.	.18	.19
powdered, bbls., bxs.	lb.	.22	.23
Orthoamnobiphenyl, dms., c.l., works	lb.	.32½	—
l.c.l., same basis	lb.	.33	—
tanks, same basis	lb.	.31	—
Orthoamylphenol, dms., l.c.l., works	lb.	.42	—
Orthoanisidin, bbls.	lb.	.80	—
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60	—
smaller lots	lb.	.62	.67
Orthochloroparanitroanilin, dms., works	lb.	.65½	.70
Orthochlorophenol, dms., c.l., frt. equald.	lb.	.27	—
l.c.l., same basis	lb.	.28	—
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald.	lb.	.1930	.2405
l.c.l., same basis	lb.	.1960	.2435
ret. dms., c.l., same basis	lb.	.1900	—
l.c.l., same basis	lb.	.1930	—
29° C, non-ret., dms., c.l., same basis	lb.	.1830	.2305
l.c.l., same basis	lb.	.1860	.2335
ret. dms., c.l., same basis	lb.	.1800	—
l.c.l., same basis	lb.	.1830	—
25 to 27° C, non-ret. dms., c.l., same basis	lb.	.1630	.2080
l.c.l., same basis	lb.	.1660	.2110
tanks, same basis	lb.	.1500	.1950
Orthodichlorobenzene, 50-lb. cns.	lb.	.12½	—
100-lb. cns.	lb.	.11½	—
dms., c.l., works, frt. alld. E. of Rockies	lb.	.08½	—
l.c.l., same basis	lb.	.09½	—
tanks, same basis	lb.	.07	—
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher			
Orthoisopropyl N-phenylcarbanate (see IPC).			
Orthoisopropylphenol, dms., c.l.	lb.	.29	—
l.c.l.	lb.	.30	—
tanks	lb.	.28	—
Orthonitroanilin, dms	lb.	.50	.53
Orthonitrochlorobenzene, dms.	lb.	.17	.18
Orthonitrobiphenyl, tech., dms., c.l., works	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Orthonitroparachlorophenol, cns.	lb.	.75	—
Orthonitrophenol, dms.	lb.	.66	.77
Orthonitrotoluene, dms.	lb.	.12	—
Orthophenetidin, dms., works	lb.	.90	—
Orthotoluidin, dms., c.l., works	lb.	.19	—
l.c.l., same basis	lb.	.20	—
tanks, same basis	lb.	.18	—
Orthotolidin, distilled, kgs.	lb.	1.10	—
Osage orange crystals, bbls., l.c.l.	lb.	.33½	—
extract, liquid, bbls., l.c.l.	lb.	.15½	—
Ouabaine, USP, nots	gram.	3.00	4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up	lb.	2.50	—
Oxyquinolin sulphate, cns., 100 lbs. works	lb.	5.00	—
smaller lots, works	lb.	5.05	5.15

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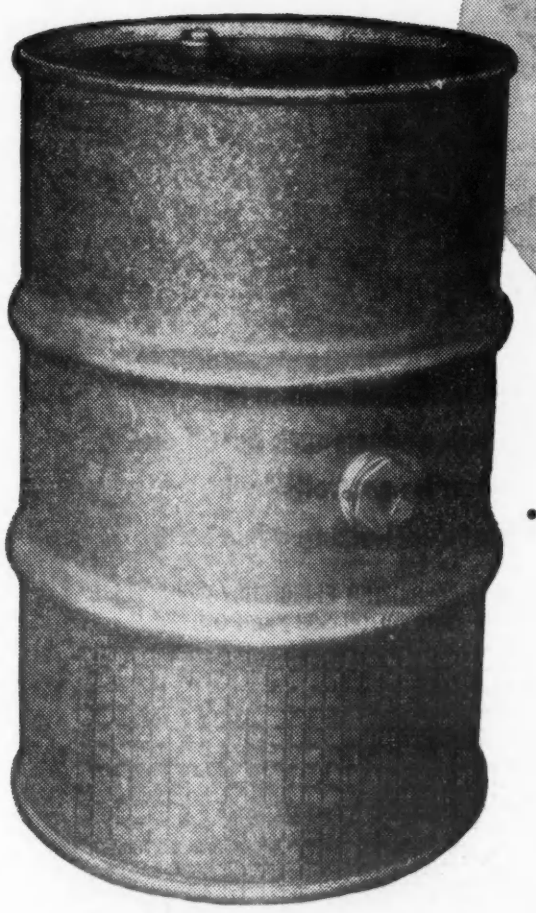
Pancreas substance, assay 1:75	lb.	5.75	6.25
Pancreatin, USP	lb.	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	—
Papain, powd., NF, cs.	lb.	2.00	3.00
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots	oz.	5.00	—
smaller lots	oz.	5.05	5.20
Sulphate, cns.	oz.	7.10	7.35
Paprika, Chilean, bgs.	lb.	.20	.21
Portuguese, bgs.	lb.	.34	.35
Spanish, bgs.	lb.	.42	.43
Para-anisidin, dms., works	lb.	.80	—
Parachlorophenol, dms., c.l., frt. equald	lb.	.27	—
l.c.l., same basis	lb.	.28	—
Parachloroanilin, dms., frt. alld. E. Miss.	lb.	.70	—
Parachloro-orthonitroanilin, dms.	lb.	No stocks.	
Paracresol, 98%, dms., works	lb.	.50	.65
Paracymene, dms., works, 50 gals. or more	gal.	2.50	—
smaller quantities	gal.	3.00	—
Paradibromobenzene, bgs., 500-lb. lots, works	lb.	.45	—
Paradichlorobenzene, dms., c.l., works	lb.	.11	—
l.c.l., same basis	lb.	.12½	.14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y	lb.	.0675	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0675	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0675	—
128-130 ASTM, loose, c.l., ref'y.	lb.	.0690	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0695	—
132-134 ASTM, loose, c.l., ref'y.	lb.	.0710	—
135-137 ASTM, loose, c.l., ref'y.	lb.	.0720	—
Paraffin prices in bgs. and ctns., 7/10c. per lb higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.			
Paraformaldehyde, 95%, dms., 1,000 lbs., works	lb.	.22	—
smaller lots, works	lb.	.23	—
91-92%, flake, fib. dms., c.l., works,	lb.	.11	—
10,000 lbs. or more, works	lb.	.12	—
smaller lots, works	lb.	.13	—
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works	lb.	12½	.13½
5-10-gal. dms., l.c.l., works	lb.	.16½	—
tanks, works	lb.	.11	—
USP, cbys.	lb.	.51	.53
Paranitroanilin, kgs., works	lb.	.44½	—
Paranitrochlorobenzene, kgs., works.	lb.	.18	—
Paranitrophenol, kgs., works, frt. equald	lb.	.40	—
Paranitrotoluene, kgs., works	lb.	.39	—
Paraphenetidin, dms., works	lb.	.88	—
Paraphenylphenol, bgs., works	lb.	.28	.29
Paraphenylenediamine, crude, kgs., works	lb.	.77	—
refined, kgs., safe basis	lb.	1.35	—
Paratertiarybutylphenol, bgs., c.l., frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.22	—
Parathion tech., dms., c.l., works	lb.	2.50	—
l.c.l., works	lb.	2.55	—
Paratoluenesulphonamide, bbls., works	lb.	.70	—
Paratoluidin, bbls., works	lb.	.55	—
Paretra brava root, whole, ogs.	lb.	.30	.31
ground, bxs.	lb.	.35	.37
powder, bxs.	lb.	.38	.40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E.	lb.	.31	—
l.c.l., same basis	lb.	.32	.33
Passion flower herb, bls.	lb.	.20	.25
Patchouli leaves, bls.	lb.	.45	.55
Peanut meal, 45%, sacked, mills	ton.	80.00	—
Pectin, citrous, NF, powd., bbls.	lb.	2.05	2.06
tech., powd., bbls.	lb.	1.42	1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.04	.05¼
Sodium, USP, unlabeled vials, 100,000 units	vl.	.09½	—
200,000 units	vl.	.14	—
500,000 units	vl.	.29	—
1,000,000 units	vl.	.56	—
Penicillin, crystalline, potassium, unlabeled vials, 100,000 units.	vl.	.102	—
200,000 units	vl.	.15½	—
500,000 units	vl.	.34	—
1,000,000 units	vl.	.67½	—
bulk, 100,000,000 to 25,000,000,000, unit lots 100,000 units.		.04½	.05¾
procaine, regular or pulverized, bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units.		.05¼	.06½
sodium, unlabeled vials, 100,000 units	vl.	.10¾	—
200,000 units	vl.	.16	—
500,000 units	vl.	.35	—
1,000,000 units	vl.	.68½	—
bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units.		.05¼	.06½
Pennyroyal leaves, bls.	lb.	.28	.30
Pentachlorophenol, dms., works	lb.	.20	.25
Pentaerythritol, tech., bgs., c.l., works	lb.	.29	—
l.c.l., works	lb.	.31	.33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)			
Pentane, industrial, tanks, group 3	gal.	10½	11⅛
Pepper, black, bgs.	lb.	1.40	1.41
afloat, bgs.	lb.	1.40	1.41
Aug.-Sept. ship't, bgs.	lb.	1.38	1.39
Jan.-Mar., bgs.	lb.	1.02	1.03
Red, Carolina, futures, bgs.	lb.	.40	.42
Hontaka, bgs.	lb.	.65	Nom.
Louisiana longs, bgs.	lb.	18	Nom.
Mombasa chillies, bgs.	lb.	.38	.39
Niger, capsicum, bgs.	lb.	.38	Nom.
birdseye, bgs.	lb.	.65	Nom.
White, bgs.	lb.	1.70	1.71
Peppermint, USP, dom., bls.	lb.	.50	.65
imported, bls.	lb.	.95	1.05
Pepsin, NF, bulk containers	lb.	3.90	—

Orange, Cadmium Lithopone—Petrolatum

Perchloroethylene, dms., c.l., zone 1, works, frt. alld.	lb.	.11	—
zone 2, same basis	lb.	.11½	—
zone 3, same basis	lb.	.12	—
zone 4, same basis	lb.	.12	—
l.c.l., zone 1, same basis	lb.	.11¾	—
zone 2, same basis	lb.	.12¼	—
zone 3, same basis	lb.	.12¾	—
zone 4, same basis	lb.	.12¾	—
tanks, zone 1, same basis	lb.	.10½	—
zone 2, same basis	lb.	.11	—
zone 3, same basis	lb.	.11½	—
zone 4, same basis	lb.	.11½	—
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	.85	1.00
Petrolatum, USP, amber, dms., c.l., New York	lb.	.04¾	—
l.c.l., same basis	lb.	.05¾	—
Cream, dms., c.l., same basis	lb.	.06¾	—
l.c.l., same basis	lb.	.08	—
Extra amber, dms., c.l., same basis	lb.	.05½	—
l.c.l., same basis	lb.	.06	—
White, lily, dms., c.l., same basis	lb.	.06⅞	—
l.c.l., same basis	lb.	.08¼	—
snow, dms., c.l., same basis.	lb.	.07½	—
l.c.l., same basis	lb.	.08½	—
soft, dms., c.l., same basis	lb.	.06⅝	—
l.c.l., same basis	lb.	.07½	—

Rugged, Dependable...

U·S·S STEEL DRUMS



...For Your Particular Need

There's a U·S·S Steel Drum for every industrial need. In addition to the hot-dip galvanized drum shown here, U·S·S Steel Drums are also made in stainless, tinned, decorated and painted finishes. Sizes from 2½-gallons to 110-gallons. Wide variety in types of head and plug openings.

UNITED STATES STEEL PRODUCTS COMPANY

30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

Los Angeles and Alameda, Calif. • Beaumont and Port Arthur, Texas • Chicago, Ill.

New Orleans, La. • Sharon, Pa.

USS

UNITED STATES STEEL

Petrolatum, USP, Yellow—Phosphorus

Petrolatum, USP, yellow, soft, dms., c.l., same basis..lb. .05 - —
l.c.l., same basis.....lb. .05½- —
Petroleum, crude, bulk, at wells, California..bbl. 1.25 - 2.94
Illinois .....bbl. 2.46 - 2.88
Kentucky .....bbl. 2.43 - 2.83
Louisiana-Arkansas .....bbl. 2.08 - 2.90
Montana .....bbl. 1.28 - 2.775
Oklahoma-Kansas .....bbl. 2.23 - 2.65
Pennsylvania, lower field .....bbl. 3.40 - —
Upper field.....bbl. 2.70 - 3.40
Texas, East .....bbl. 2.65 - —
Gulf coast.....bbl. 2.38 - 2.95
North, North-Central..bbl. 2.23 - 2.65
Panhandle .....bbl. 2.23 - 2.65
West .....bbl. 2.10 - 2.65
Wyoming .....bbl. 1.28 - 2.375
Ether, laboratory, 30°-60° C, cns., dlvd. E..gal. 1.50 - —
dms., c.l., group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. .....gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis .....gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E. .....gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis .....gal. .44 - —
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco..gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery..bbl. 1.80 - 1.90
light, tanks, refinery...bbl. 2.00 - 2.10
Eastern, tanks, Albany, N. Y. .....bbl. 2.05 - —
Baltimore, Md.....bbl. 1.73 - —
Boston, Mass.....bbl. 1.78 - —
Petroleum, fuel oil, Charleston, S. C. .....bbl. 1.68 - —
Jacksonville, Fla.....bbl. 1.68 - —
New York, N. Y.....bbl. 1.73 - 1.75
Norfolk, Va.....bbl. 1.73 - —
Philadelphia, Pa.....bbl. 1.73 - —
Portland, Me.....bbl. 1.78 - —
Providence, R. I.....bbl. 1.755 - —
Savannah, Ga.....bbl. 1.68 - —
Diesel, tanks, refinery, California .....gal. .081 - .115
Pennsylvania .....gal. .0875- .09
Furnace, tanks, refinery, Arkansas, No. 2..gal. .06625- —
No. 3.....gal. .0625- —
Bayonne, N. J., No. 2..gal. .075 - —
Group 3, No. 1.....gal. .07 - .0775
No. 1, straw.....gal. .07 - .07875
No. 2, straw.....gal. .06 - .085
range .....gal. .07 - .0875
Pennsylvania, No. 1.....gal. .0925- .105
No. 2.....gal. .0875- .10
No. 3.....gal. .0875- .09
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles..gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore.....gal. .158 - —
San Francisco.....gal. .152 - —
Seattle, Wash.....gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Group 3, benzol-type, tanks, refinery..gal. .12125- —
toluol-type, tanks, refinery gal. .11125- .12125
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco..gal. .152 - —
Petroleum, mineral spirits, 205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis..gal. .152 - —
305-362 b.r., tanks, same basis..gal. .142 - —
312-400 b.r., tanks, same basis..gal. .142 - —
360-455 b.r., tanks, same basis..gal. .152 - —
East coast, tanks, N. J., N. Y., refinery..gal. .14 - —
Group 3, tanks.....gal. .09875- .10625
tankwagon, Baltimore.....gal. .175 - —
Boston .....gal. .16 - —
Buffalo .....gal. .165 - —
Camden, N. J.....gal. .15 - —
Chicago .....gal. .197 - —
Detroit .....gal. .214 - —
Kansas City, Mo.....gal. .182 - —
Newark .....gal. .15 - —
New York.....gal. .15 - —
Philadelphia .....gal. .14 - —
Pittsburgh .....gal. .175 - —
Providence .....gal. .165 - —
Rochester .....gal. .18 - —
St. Louis .....gal. .19 - —
Syracuse .....gal. .19 - —
Washington, D. C.....gal. .175 - —
Naphtha, cleaners, California, tanks, San Francisco..gal. .123 - —
East coast, tanks, N. J., N.Y., refinery..gal. .14 - —
Group 3, tanks.....gal. .10875- .11625
tankwagons, St. Louis..gal. .19 - —
Newark .....gal. .15 - —
Chicago .....gal. .197 - —
Detroit .....gal. .214 - —
New York.....gal. .15 - —
Philadelphia .....gal. .14 - —
Petroleum, naphtha, high-flash, 140° F, group 3, refinery, tanks, gal. .13 - .145
366-285 b.r., 37-38°C, mixed anilin pt., tanks, refinery..gal. .20 - .21¼
25-26°C, m.a.p., tanks, same basis..gal. .21 - .24
270-370 b.r., 78-81°C, m.a.p., tanks, same basis..gal. .23½- —
49°C, m.ap., tanks, same basis..gal. .26½- —
26-27°C, m.a.p., tanks, same basis..gal. .21 - .24½
00-400 b.r., 28-32°C, m.a.p., tanks, same basis..gal. .21 - .27
340-410 b.r., 27°C, m.a.p., tanks, same basis..gal. .30½- —
32°C, m.a.p., tanks, same basis..gal. .21 - —
36°C, m.a.p., tanks, same basis..gal. .21 - —
340-440 b.r., 32°C, m.a.p., tanks, same basis..gal. .25½- .27
360-480 b.r., 25°C, m.a.p., tanks, same basis..gal. .21 - —
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles..gal. .147 - —
Portland, Ore.....gal. .158 - —
San Francisco....gal. .152 - —
Seattle, Wash.....gal. .158 - —
East coast, N. J., N. Y., tanks, gal. .15 - —
Group 3, tanks.....gal. .10875- .11625
tankwagon, Boston.....gal. .175 - —
Chicago .....gal. .207 - —
Detroit .....gal. .224 - —
Milwaukee .....gal. .209 - —
Minneapolis .....gal. .207 - —
Newark .....gal. .165 - —
New York .....gal. .165 - —
Philadelphia .....gal. .165 - —
Pittsburgh .....gal. .185 - —
St. Louis.....gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco..gal. .152 - —
East coast, N. J., N. Y., gal. .15 - —
Group 3, tanks.....gal. .10375- .10875
Stoddard, California, tanks, ex tax, San Francisco..gal. .142 - —
East coast, N. J., N. Y., tanks..gal. .14 - —
Group 3, tanks.....gal. .09875- .11125
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston.....gal. .16 - —
Chicago .....gal. .197 - —
Detroit .....gal. .214 - —
Milwaukee .....gal. .199 - —
Minneapolis .....gal. .197 - —
Newark .....gal. .15 - —
New York .....gal. .15 - —
Philadelphia .....gal. .14 - —
Pittsburgh .....gal. .175 - —
St. Louis .....gal. .19 - —
Syracuse .....gal. .19 - —
Sulphonate, 70% sulphonic content,, ret. dms., c.l., works lb. .1715- —
l.c.l., works .....lb. .1750- —
tanks, works .....lb. .1525- —
80% sulphonic content, ret. dms., c.l., works..lb. .1365- —
l.c.l., works .....lb. .1400- —
tanks, works.....lb. .1175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms..lb. 4.00 - 4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1275- —
l.c.l., same basis.....lb. .1350- —
tanks, same basis..lb. .1100- —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1275- —
l.c.l., same basis.....lb. .1350- —
tanks, same basis.....lb. .1100- —
USP, dms., c.l., same basis....lb. .13½- .14¼
l.c.l., same basis.....lb. .1425- .1500
tanks, same basis.....lb. .1250- —
Phenolphthalein, USP yellow, bbls., dms., 2,000 lbs...lb. 1.00 - —
smaller lots .....lb. 1.02 - 1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., works..lb. .44 - —
smaller lots, works.....lb. .46 - —
Phenylacetaldehyde solution, 50%, bots..lb. 2.35 - 2.65
100%, bots.....lb. 4.00 - 4.75
Phenylacetamide, dms., works, 1,000 lb. lots..lb. 1.25 - —
smaller lots .....lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works..lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works..lb.30.00 -37.50
Phenyldiethanoamine, dms., cl., works..lb. .35½- —
l.c.l., works.....lb. .36½- —
Phenylethanolamine, dms., c.l., works..lb. .67½- —
l.c.l., same basis.....lb. .68½- —
Phenylethyl acetate, dms.....lb. 1.45 - 2.70
Phenylethylphenyl acetate, bots..lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots....lb. 3.00 - 3.07
Hydrochloride, CP, bots., works. lb. 5.00 - 5.07
commercial, kgs., works.....lb. 1.75 - —
Phenylmethylpyrazolone, dms., works.lb. 1.58 - 1.60
Phlororglucinol, CP, fib. dms., works lb.13.75 -15.75
commercial fib. dms., works....lb. 4.50 - 7.00
tech., fib., dms., works.....lb.10.00 -10.75
Phosgene, 150-lb. cyls., works....lb. .20½- —
10-lb. cyls., works.....lb. 1.50 - —
Phosphate, defluorinated (see under D)
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine..long ton. 3.60 - —
70%-68%, b.p.l., c.l., same basis..long ton. 4.00 - —
72%-70%, b.p.l., c.l., same basis..long ton. 4.60 - 4.80
75%-74%, b.p.l., c.l., same basis..long ton. 5.60 - 5.80
77%-76%, b.p.l., c.l., same basis..long ton. 6.60 - 6.80
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum.... short ton. 4.03 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run of mine, unground, 27-28% P_2O_5.... long ton. 6.45 - —
30-29% P_2O_5.....long ton. 7.21 - —
Phosphorus, red, amorphous, cs..lb. .33 - .36
tins, export.....lb. .34 - .37
Yellow, cns. .....lb. .30 - .37
dms., c.l. .....lb. .26 - —

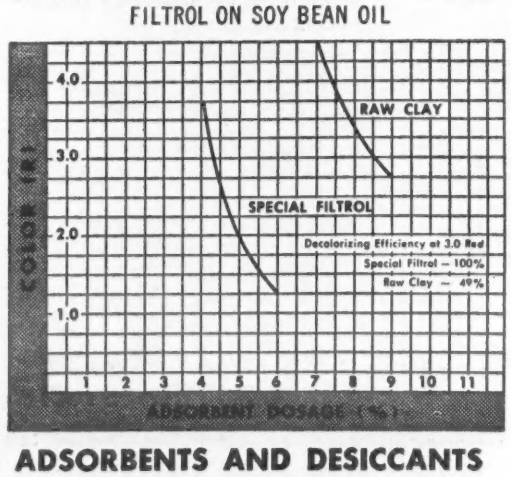
Filtrol*Adsorbents remove more color at a lower cost from fatty oils from every source...

Not only vegetable and animal fats and oils, but also products such as tall and fatty acids can be controlled with Filtrol decolorizing adsorbents.

Those who know choose Filtrol adsorbents for purity and unexcelled decolorizing power. Filtrol economy means only one-half to one-third as much oil loss in press cake – saving scarce and expensive oils.
Filtrol adsorbents are highly stable, can be stored indefinitely under normal dry conditions.

In addition to the standard types of Filtrol, "Special" Filtrol and "Super" Filtrol, two new products are now being offered commercially – Neutrol E and Neutrol I. These new activated, decolorizing adsorbents possess a superior decolorizing power.

TYPICAL DECOLORIZING EFFICIENCY OF "SPECIAL" FILTROL ON SOY BEAN OIL



SPECIAL Filtrol

FILTROL CORPORATION
General Offices: 634 South Spring Street, Los Angeles, Calif.
Plants: Vernon, California and Jackson, Mississippi

World's Largest Manufacturer of CATALYSTS, ADSORBENTS AND DESICCANTS

Know more about Filtrol – informative literature on "Special" Filtrol, "Super" Filtrol, and Neutrol E and Neutrol I sent upon request.

*Reg. U. S. Pat. Off.

Filtrol products are available throughout the world

Phosphorus oxychloride, dms., works	lb.	.12	.15
Pentasulphide, dms., c.l., works	lb.	.11	—
l.c.l., dms., works	lb.	.12	.13
Pentoxide, dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.13	.14
Sesquisulphide, tins, cs., works	lb.	.28	.29
dms., export	lb.	.33½	.36
Trichloride, dms., c.l., works	lb.	.12	.15
l.c.l., works	lb.	.13	.16
Phthalamide, bbls., works	lb.	.35	.40
kgs., works	lb.	.45	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald	lb.	.21½	—
l.c.l., same basis	lb.	.22½	—
Phthalic anhydride prices on Pacific Coast same as above.			
Pichi leaves, bgs	lb.	.07	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, USP, bots	oz.	8.00	—
Pilocarpine hydrochloride, NF, bots., vials	oz.	6.50	7.50
Nitrate, USP, bots, vials	oz.	6.25	7.25
Pimento, Jamaica, bgs	lb.	.22½	.23
Pinetar, retort, dms., incl., c.l., works, South	lb.	.045	—
l.c.l., same basis	lb.	.0473	—
whse., N.Y.C.	lb.	.0595	—
tanks, works, South	lb.	.035	—
Pinkroot, bls.	lb.	1.70	1.80
Piperidine, 95%, dms., frt. equald.	lb.	1.65	—
98%, dms., same basis	lb.	1.75	—
Piperazine hexahydrate, bots	lb.	8.50	9.00
Pipsissewa herb (see Prince's pine).			
Pitch, coaltar, 150°F. m.p., bbls., c.l., works	ton.	34.00	—
l.c.l., works	ton.	36.00	37.00
Cottonseed, dms., works	lb.	.08	.03½
Hardwood, paper bgs., c.l., works.	lb.	.02	—
Linseed, dms	lb.	No prices.	
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, ums., ex whse. East.	100 lbs.	6.50	—
Soybean, dms., works	lb.	.06	.06½
Plaster of paris (see Gypsum).			
Platinum metal, works	oz.	69.00	72.00
Pokeroot, bls	lb.	.14	.16
Pleurisy roots, bls	lb.	.25	.26
Podophyllin, NF, dms	lb.	12.45	—
Polystyrene, plain colors, dms., 29,920 lbs., frt. alld	lb.	.32	—
20,020 lbs. to 20,920 lbs., same basis	lb.	.32	—
smaller lots, same basis	lb.	.34	—
Special colors, dms., 29,920 lbs., same basis	lb.	.32	—
20,020 lbs. to 20,920 lbs., same basis	lb.	.35	—
smaller lots, same basis	lb.	.37	.50
Water-clear, dms., 29,920 lbs., same basis	lb.	.28	—
20,020 lbs. to 20,920 lbs., same basis	lb.	.27	—
smaller lots, same basis	lb.	.28	—
Polystyrene in bgs. ½c. per lb. lower.			
Pomegranate root bark, bgs	lb.	.68	.70
Poppy flowers, bls	lb.	.50	.55
Seed, Dutch, bgs	lb.	.18	.18½
Polish, bgs	lb.	.14½	.15
Turkish, bgs., futures	lb.	.13½	.13¾
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works	100 lbs.	9.75	—
l.c.l., works	100 lbs.	10.50	—
liquid, dms., c.l., 45%, works.	100 lbs.	4.525	—
l.c.l., works	100 lbs.	5.025	—
tanks, works	100 lbs.	4.20	—
solid, 90%, dms., c.l., works.	100 lbs.	9.15	—
l.c.l., works	100 lbs.	9.90	—
regular, flake, 88-92% dms., c.l., works	lb.	.0815	—
l.c.l., works	lb.	.089	—
liquid, 45% basis, dms., c.l., works	lb.	.03725	—
l.c.l., same basis	lb.	.0450	—
tanks, same basis	lb.	.0340	—
solid, 88-92%, dms., c.l., works.	lb.	.0755	—
l.c.l. works	lb.	.0830	—
Potassium abietate	lb.	.08	—
Acetate, USP, dms	lb.	.31	.36
Bicarbonate, USP, gran., dms	lb.	.20	.22
powd., dms	lb.	.22	.24
Bichromate, bgs., c.l., works	lb.	.12¾	—
l.c.l., bgs., works	lb.	.12⅞	.13¾
Potassium bichromate in bbls., ¼c. higher.			
Bitartrate (see Cream of tartar).			
Borate, gran., bbls., c.l., works	ton.	192.00	—
ton lots, works	ton.	245.50	—
less ton lots, works	ton.	250.50	—
Bromate, bbls., 1,000 lbs. or more.	lb.	.48	—
25-200 lbs	lb.	.60	—
Bromide, USP, cryst., gran., bbls., kgs	lb.	.33	.34
Carbonate, tech., calcined, bbls., c.l., works	lb.	.0780	—
l.c.l., same basis	lb.	.0830	—
hydrated, 83-85%, bbls., c.l., works	lb.	.06¼	—
dms., l.c.l., works	lb.	.06¾	—
USP, gran., bbls., dms	lb.	.16½	.18
powd., bbls., dms	lb.	.21	.23
Chromate, tech., bgs	lb.	.25	.29
Chlorate, cryst., kgs., c.l., works	lb.	.08½	—
l.c.l., works	lb.	.09¾	—
powd., dms., kgs., c.l., works	lb.	.09	—
l.c.l., works	lb.	.09¾	—
export, kgs., 1 to 10 tons, ex whse	lb.	.12	—
NF, gran., dms	lb.	.31	.33
Chloride, USP, cryst., dms	lb.	.26	.27
gran., bbls	lb.	.20	.22
powd., bbls	lb.	.29	.32
Citrate, USP, gran., dms	lb.	.37½	.38½
powder, dms.	lb.	.40½	.41½
Cyanide, dms., works	lb.	.52½	.55
Fluoride, dms., works	lb.	.24	—
Glutonate, dms.	lb.	.75	.79
Glycerophosphate, 75% solution, cbys.	lb.	2.05	2.20
Guiacol sulphonate, NF, dms	lb.	1.80	1.85
Hydroxide, tech. (see Potash, caustic).			
USP, pellets, jars	lb.	.33	—
Hypochlorite, liquid, cbys., dms., works	100 lbs.	3.50	—
Hypophosphite, NF, 50-lb. lots, fib. dms	lb.	.90	.93
Iodide, dms.	lb.	2.10	2.13
Manure salt, 22% K_2O, bulk, mines	unit-ton.	.20	—
25% K_2O, bulk, mines	unit-ton.	.21	—
Metabisulphite, gran., bbls	lb.	.21	—
powd., bbls	lb.	.25	—
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M.	unit-ton.	.37½	—
Trona, Cal	unit-ton.	.45½	—
Nitrate (see Saltpeter).			
Oxalate, neutral, tech., fine gran., bbls	lb.	.30	.32
purified, dms.	lb.	.42	.44
Perchlorate, kgs., c.l., works	lb.	.13½	—
dms., l.c.l., works	lb.	.14	.15
Permanganate, tech., dms., works,	lb.	.21¾	.22¾
USP, dms., works	lb.	.23½	.24
ex whse	lb.	.29	—
Persulphate, dms., c.l., works	lb.	.17	—
l.c.l., works	lb.	.21	—

Potassium phosphate, tetrabasic, bbls., works	lb.	.13	.13½
Prussiate, red, kgs	lb.	.60	.63
yellow, bbls	lb.	.21	—
kegs	lb.	.26	—
Ricinoleate, tech., bbls	lb.	.18	—
Silicate, glass, bgs., c.l., works	ton.	200.00	—
l.c.l.	100 lbs.	15.25	—
Solution, 29° Be, ret. dms., c.l., works	100 lbs.	4.25	—
l.c.l., 5 or more, works.	100 lbs.	5.00	—
1-4, works	100 lbs.	5.50	—
62° Be, net, dms., c.l., works.	100 lbs.	4.75	—
l.c.l., 5 or more, works.	100 lbs.	5.50	—
1-4, works	100 lbs.	6.00	—
40.5° Be, ret. dms., c.l., works.	100 lbs.	5.75	—
l.c.l., 5 or more, works.	100 lbs.	6.50	—
1-4, works	100 lbs.	7.00	—
Silicofluoride, bbls., works	lb.	.07	.08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works	ton.	32.50	—
indust, bulk, works	ton.	36.00	—
NF, cryst., bbls.	lb.	.31	.33
gran., dms	lb.	.18½	—
powder, dms	lb.	.17	—
Sulphocyanide, cryst., NF (see Potassium thiocyanate).			
Thiocyanate, cryst., NF, dms.	lb.	.70	.78
tech., works	lb.	.45	.50
Titanate, ctns., c.l., works	lb.	.12	—
5 tons, works	lb.	.12¼	—
1 ton or less, works	lb.	.12½	.13
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works	ton.	14.50	—
Potassium-sodium ferricyanide, kgs., works	lb.	.50	.53
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib. dms., works	lb.	.45	.53
Potassium-titanium oxalate, bbls., kgs	lb.	.65	.70
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.52½	.55
Prickly ash bark, bls	lb.	.23	.25
Berries, bgs	lb.	.55	.75
Prince's pine herb, bls	lb.	.50	.55
Procaine hydrochloride, USP, cns., 200-lb. lots	lb.	4.25	4.75
smaller lots	lb.	4.40	5.25
Progesterone, USP, 100 gms	gm.	3.75	—
Propane, commercial grade, tanks, group 3	gal.	.02½	—
Propionaldehyde, dms., c.l., works	lb.	.28½	—
l.c.l., works	lb.	.29½	—
tanks, works	lb.	.25	—
Propyl aldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP, dms	lb.	2.30	2.40
Propylene dichloride, dms., c.l.	lb.	.08½	—
l.c.l.	lb.	.09½	—
smaller containers	lb.	.12½	—
tanks	lb.	.07	—
Oxide, dms., c.l., frt. alld. E	lb.	.20½	—
l.c.l., frt. alld. E	lb.	.21½	—
tanks, frt equald. E	lb.	.18½	—

Phosphorus Oxychloride—Pyrethrum Concentrate

Propyleneglycol NF, dms., c.l., frt. alld. E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16	—
tech., dms., c.l., frt. alld. E	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
tanks, same basis	lb.	.15	—
Methylether, dms., c.l., frt. equald.	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
tanks, same oasis	lb	.16½	—
Propylthiouracil, bots., 50 kilos or more, works	kilo.	55.00	—
smaller lots, works	lb.	55.30	—
Psyllium seed, black, bgs	lb.	.23	.25
blonde, bgs	lb.	.19	.21
husks, bgs	lb.	.45	.55
Pulsatilla herb, bls	lb.	.45	.50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03½	.04
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03¾	.04¼
fine, bgs., ton lots	lb.	.03¾	—
smaller lots	lb.	.03¾	.04
Italian, silk-screen, fine, bgs., ton lots	lb.	.04	—
coarse, bgs., ton	lb.	.05½	—
sun dried, fine, bgs., ton lots	lb.	.03	—
coarse, bgs., ton lots	lb.	.04¼	—
Pumice in bbls is ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	.18	.26
Purple lake (see Red)			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	10.00	11.00

REACH

for the phone when you're in a hurry for intermediates

When you need hurry-up delivery on any of the intermediates listed, reach for your phone and call the nearest Monsanto Sales Office. You'll get action. If you can take a little more time, you can get quotations and samples by mailing the coupon or writing: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1754 South Second Street, St. Louis 4, Missouri.

1. Sulfur Dioxide
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3. Nitric Acid
4. Sulfuric Acid
5. *para*-Aminobiphenyl
6. *para*-Nitrobiphenyl
7. *ortho*-Anisidine
8. *para*-Anisidine
9. Benzoic Acid, Technical
10. Benzyl Chloride
11. Dichloroaniline
12. *ortho*-Chloroaniline
13. *para*-Chloroaniline
14. *ortho*-Chlorophenol
15. *para*-Chlorophenol
16. Cyclohexylamine
17. Dicyclohexylamine
18. Dinitroaniline
19. Dinitrochlorobenzene, 46.3°
20. Dinitrochlorobenzene, 48°
21. *ortho*-Nitroaniline
22. *ortho*-Nitrochlorobenzene
23. *ortho*-Phenetidin
24. *para*-Phenetidin
25. Phenolsulfonic Acid
26. Sodium Benzoate, Technical
27. Thiourea
28. *para*-Toluenesulfonamide
29. *para*-Toluenesulfonchloride
30. Toluenesulfonic Acid
31. Chlorosulfonic Acid
32. *meta*-Chloroaniline
33. Monsanto Salt
34. *ortho*-Aminobiphenyl
35. *ortho*-Nitrobiphenyl
36. *para*-Nitrochlorobenzene
37. *para*-Nitrophenol
38. Phenol
39. Phosphorus Oxychloride — Phosphorus Trichloride
40. Salicylic Acid, Technical
41. Basic Chrome Sulfate (Santotan*) for tanning industry
42. Salt Cake (Sodium Sulfate, Technical)
43. Sodium Sulfite Anhydrous, Technical (Santosite*)

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Pyrethrum Concentrate—Salt, Rock

Pyrethrum concentrate, liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 7.50 - 8.50
regular base, dms., works, gal. 7.40 - 8.40
(30 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal.11.10 -12.60
regular base, dms., works, gal.11.00 -12.50
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .33 - .37
powder, 1.3% pyrethrins, bbls., works lb. .46 - .52
Pyridin, denaturing, dms., works and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 - 2.72
refd., 2° non-ret. dms., c.l., same basis lb. .79 - .79½
l.c.l., same basis lb. .80 - —
ret. dms., c.l., same basis lb. .79 - —
lb. .79 - —
l.c.l., same basis lb. .79½- —
Pyridoxin hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl ports, long-ton 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
200 mesh bulk, c.l., mines ton.12.00 - —
325 mesh, bulk, c.l., mines ton.15.00 - —
No. 3, 200 mesh bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines ton. 9.00 -10.00
Pyrophyllite, rubber grade, 140 mesh, bulk, c.l., mines, ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., dlvd lb. 9.54 - —

Q

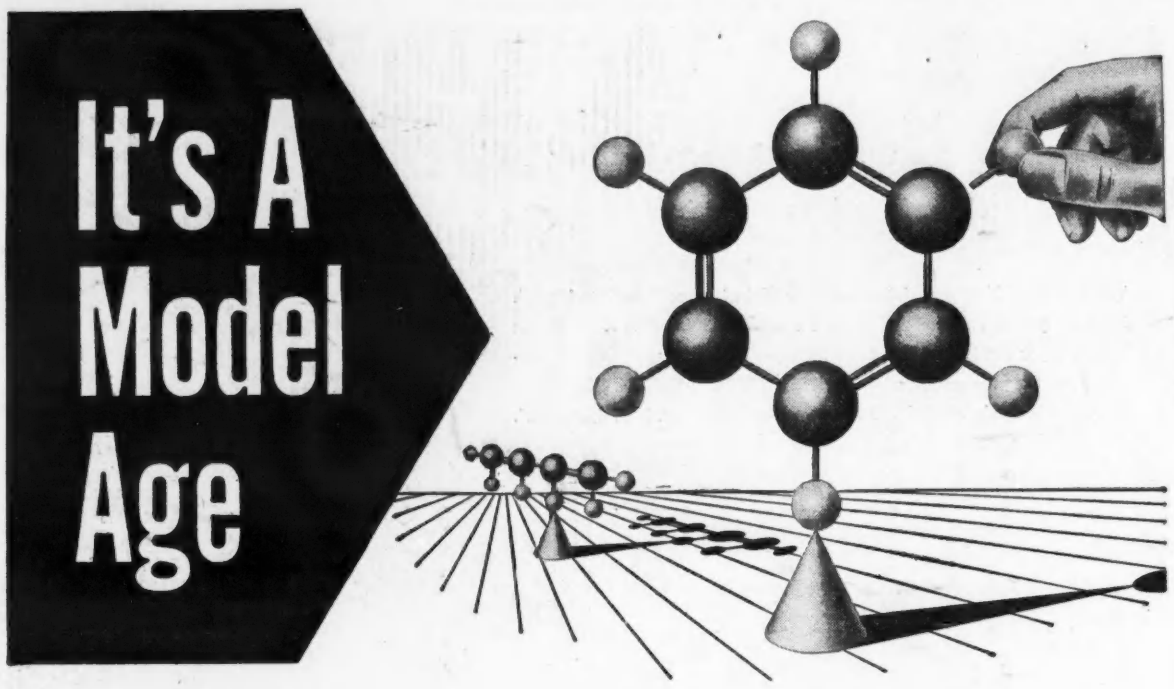
Quassia chips, bls lb. .08 .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .17½ Nom.
liq., 35% tannin, bbls., works, lb. .09 - —
tanks, same basis lb. .08¼- —
solid, 64% tannin, bgs., c.l., duty extra lb. .11½- —
powd., 70% tannin, ogs., c.l., same basis lb. .18 Nom.
Quebracho extract, ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis lb. .10¾- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .12 - .16
Quercitron crystals, bbls., l.c.l lb. .33½- —
Extract, liquid, bbls., l.c.l lb. .14½- —
solid, bxs cb. .28 - —
Quicksilver, flasks (76 lbs.) net, flask.78.00 -81.00
Quince seed, bgs lb. .90 - 1.50
Quinindine, NF, V, cryst., cns oz. 2.10 - —
powd., precip., cns oz. 2.05 - —
Sulphate, USP, cns oz. 1.35 - —
Quinine, NF, cns., 100 ozs oz. 1.00 - —
Bisulphate, USP, cns., 100 ozs oz. .73 - —
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs, oz. 1.07 - —
Hydrobromide, NF, cns., 50-oz. cns oz. .91 - —
Hydrochloride, USP, cns., 100 ozs, lb. .91 - —
Hypophosphite, cns., 100 ozs oz. 1.35 - —
Phosphate, NF, cns., 100 ozs oz. 1.10 - —
Salicylate, NF, cns., 100 ozs oz. .95 - —
Sulphate, USP, cns., 100 ozs oz. .80½- —
Quinine-urea hydrochloride, NF, cns oz. .97 - —
Quinolin, dms., c.l., works lb. .50¾- .54½
l.c.l., same basis lb. .51¼- .55
tanks lb. .50 .51

R

R salt, paste, dry basis, dms lb. .70 .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.45 - 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 —
medium-light shade, bbls., same basis lb. 1.25 —
orange-red, bbls., same basis lb. 1.15 —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar)
Eosin toner, bbls., works lb. .135 —
Indian, dom., pure, ogs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- 11¾
Iron oxide, synth., bgs lb. .11½- 11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼ .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works, lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 - —
Maroon alizarin lake, 25%, kgs., works lb. .40 .43
toner, bbls., works lb. 1.35 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb 3.25 —
Maroons in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb 2.02 —
Metallic, bbls., works lb. .02½ .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. 06¾ .07
Para toner, bbls lb. .85 .88
chlorinated, kgs lb. .95 1.05
concentrated alizarin lake, kgs., works lb. .80 —
Phloxin toner (see eosin toner)
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 —
Pink lake alizarin, bbls., works lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼ —
Toluidin toner (MNPT), kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Red, vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 —
Red Precipitate, NF, powd., fib. dms lb. 2.17 2.19
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF lb. 6.50 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 —
Monoacetate, NF, dms lb. 3.25 3.45
Rhantany root, bgs lb .10 - .12
Rhubarb root, whole, cs lb. .85 - 1.05
powd., bbls. lb. .90 - 1.25
Riboflavin, USP, bots kilo.125.00 - —
Readily soluble, bots kilo.175.00 - —
Rice bran concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs lb. .28½- —
smaller lots lb. .29 - .30
Rose flowers, pale, bls lb. .20 - .24
Rosemary flowers, bls lb. 1.55 1.65
Leaves, French, bls lb. .12 - .17
Portuguese, bls lb. .06 - .06½
Spanish, bls lb. 08 - .08½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.50 - —
G, H, I, dms., c.l., works 100 lbs. 6.48 - —
K, dms., c.l., works 100 lbs. 6.48 - —
M, dms., c.l., works 100 lbs. 6.48 - —
N, dms., c.l., works 100 lbs. 6.53 - —
WG, dms., c.l., works 100 lbs. 6.53 - —
WW, dms., c.l., works 100 lbs. 6.55 - —
X, dms., c.l., works 100 lbs. 6.65 - —
Rotenone, C.P., bbls., works lb.20.00 —
tech., works lb.16.50 - —
Rottenstone, bgs., c.l., mines ton.36.00 —
l.c.l., mines ton.43.00 —
Rue herb, bls lb. .35 - .40
Rutin, 10 kilos, fib. dms gram. .07½- .12
5 kilos, fib. dms gram. 07½- .13
smaller lots, fib. dms gram. 08 - .13½

S

Sabadilla seed, powd., bbls lb. .45 - .50
activated ground with lime, bbls lb. 26 27
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 —
smaller lots lb. 1.60 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 —
smaller lots lb. 1.65 1.85
Safflower, Egyptian, bls lb. .80 - .85
Saffron, Mexican, bls lb. .95 - 1.00
Spanish, USP, tins lb.17.00 -18.00
Safrol dms lb 68 75
Sage, Cyprus, bls lb. .08 - .09
Dalmatian, bls lb. .23½- .24
Greek, fancy, bls lb 13½- .14
Spanish, bls lb 13½- .14
Syrian, bgs lb 21 Nom
Sago flour, bgs lb. .0635- .0650
Saligenin, ctns., works lb.14.00 -25.00
Salol, NF, gran., bbls., kgs lb. 1.00 —
fib. dms lb 1.02 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 1.22
paper bgs., c.l. 100 lbs. .88 —
l.c.l. 100 lbs. 1.09 1.12



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UNCURED RUBBER STOCK, for example, will not stick when dusted with Metasap Zinc Stearate, and this zinc compound can be used to advantage to lubricate molds.

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IN PAINT, VARNISH and LACQUER MANUFACTURE, Metasap Stearates provide efficient thickening, suspension, and flatting. They serve to reduce grinding time and, in the case of lacquers, impart a tougher, more marproof and waterproof film.

FLUID, SEMI-FLUID, STIFF, STRINGY, ADHESIVE GREASES —long and short feathered—that do not freeze in winter, separate, dissolve or evaporate in summer, are obtained through use of Metasap Aluminum Stearate. Possessing high temperature-resistance, stability, and water-repellent qualities, these moisture-free lubricants keep moving parts operating efficiently and economically under the toughest conditions.

AND THERE ARE SCORES OF OTHER VALUABLE SERVICES performed by Metasap Stearates—from making ceramics lustrous and giving face powders "stay on" ability, to preserving fish nets and waterproofing concrete. *All* help to step up output, improve products, promote economies.

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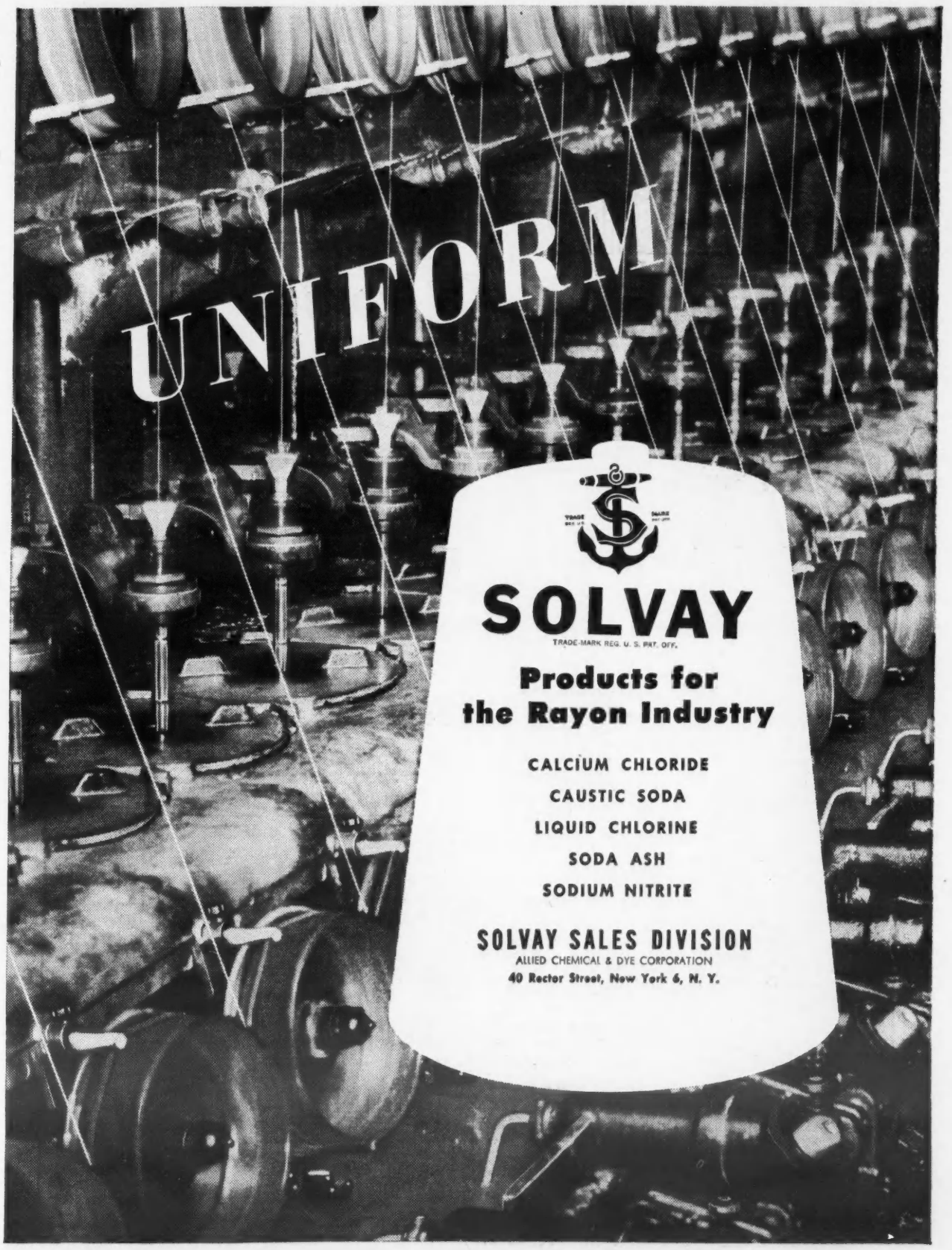
Salt, table, vacuum, common, fine, bgs., works, c.l..100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. .....100 lbs. 1.20 - 1.32
USP, dms.....lb. .21 - —
Saltcake, dom., bulk, dlvd.....ton.22.00 -24.00
Saltpeter cryst., obls., 10 tons.
100 lbs.13.90 - —
smaller lots .....100 lbs.14.15 -14.40
gran., bbls., 20 tons.....100 lbs. 9.25 - —
smaller lots .....100 lbs.10.50 -11.00
powd., bbls., 20 tons.....100 lbs.10.25 - —
smaller lots .....100 lbs.11.50 -12.00
NF, gran., dms.....lb. .15¾- .17¾
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, NF, cryst., powd., cns kilo.190.00 -200.00
Saponin No. 1, cns.....lb. 2.45 - —
Sarsaparilla root, dom., bls....lb. .40 - .45
Honduras, bls. .....lb. .40 - .45
Mexican, bls.....lb. .24 - .30
Sassafras bark, ord., bls.....lb. .35 - .40
select, bls.....lb. .50 - .55
Savory, French, bls.....lb. .17 - .18
Spanish, bls.....lb. .14 - .14½
Saw palmetto berries, bgs. .....lb. .23 - .24
Scammony resin, lump, cns.....lb. 2.10 - 2.25
powd., cns.....lb. 2.20 - 2.30
Root, bgs.....lb. .11 - .13
Schaeffer's salt, bgs. .....lb .60 - .67
Scopolamine hydrobromide, bots oz.20.50 -24.50
Hydrochloride, bots.....oz. 84.00 - —
Seidlitz mixture, bbls., 5,000 lbs..lb. .25¾- —
smaller lots.....lb. .26¼- —
dms., 100 lbs. or less.....lb. .27¼- .31¼
Selenium, powd., cns., 10-lb. lots..lb. 2.10 - —
cs., 1,000-lb lots.....lb. 2.00 - —
Senega root, bls.....lb. 1.30 - 1.35
Senna leaf, Alex., half-leaf, bls..lb. .22 - .24
sifting, bgs.....lb. .19 - .21
Tinnevelly, No. 1, bls.....lb. .17 - .24
No. 2, bls.....lb. .14 - .19
No. 3, bls.....lb. .11 - .14
Pods, bls.....lb. .12 - .15
powdered, bls., bxs. .....lb. .16 - .22
Serpentaria root, bls.....lb. 2.25 - 2.50
Sesame seed, Brazil, bgs., afloat..lb. .16½- .17
Chinese, white, nat., bgs.....lb. .12 - .13
hulled, bgs.....lb. .18 - .19
Nicaragua, hulled.....lb. .25 - .26
Salvadorean .....lb. .13 - .13½
Turkish, yellow.....lb. .14½- .15
Shellac, bleached, conedry, bgs., 1,500-lb. lots..lb. .61½- —
bbls., 1,500-lb. lots.....lb. .62 - —
kgs., 1,500-lb. lots.....lb. .64 - —
refined, bgs., 1,000-lb. lots...lb. .71½- —
bbls., 1,500-lb. lots.....lb. .72 - —
kgs., 1,500-lb. lots.....lb. .74 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs.....lb. .68 - .69
No. 2, bgs.....lb. .66 - .68
Superfine, bgs., 10 bgs.....lb. .61 - .62
TN, bgs., 10 bgs.....lb. .58 - .59
Shellac in 1 to 9 bgs., 1c. more
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton.20.00 -30.00
l.c.l., works.....ton.25.00 -40.00
hard-quartz, 99¼%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.25.00 - —
99½%, 140 mesh, bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.17.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .18½- .20½
Silver bullion, ingots, cs .....oz. .71½- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .65⅜- —
1,000-oz. lots..... oz. .65⅜- —
500-oz. lots..... oz. .65⅜- —
100-oz. lots ..... oz. .66⅛- —
Silver nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .45¾- —
1,000-oz. lots..... oz. .46½- —
500-oz. lots..... oz. .47¼- —
250-oz. lots..... oz. .48 - —
USP granular silver nitrate, 2c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots..oz. .90 - —
Simaruba bark, bls. .....lb. .85 Nom.
Skullcap herb, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .35 - .40
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs .....lb. .33 - .40
Smalt, black, ctns .....lb. .11 - —
Blue, ctns.....lb. .16 - —
Snakeroot, Canada, bls.....lb. .43 - .45
Soapbark, bls. .....lb. .17 - .18
crushed, bls., bbls.....lb. .20 - .21
cut, foreign, bbls.....lb. .21 - .22
powd., bbls. .....lb. .23 - .24
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points..100 lbs. 2.75 - 4.52
bbls., c.l., works.....100 lbs. 2.00 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.40 - —
l.c.l., stock points....100 lbs. 2.65 - 4.42
bbls., c.l., works .....100 lbs. 1.90 - —
l.c.l., stock points....100 lbs. 3.15 - 4.92
bulk, c.l., works.....100 lbs. 1.15 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.45 - —
l.c.l., stock points....100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis .....100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis..100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.60 - —
solid, 76%, dms., c.l., works... 100 lbs. 3.05 - —
l.c.l., stock points....100 lbs. 4.40 - 6.27
Sal, bgs., c.l., ex car.....100 lbs. 1.55 - —
l.c.l., bgs., ex whse....100 lbs. 1.75 - —
Soda-lime, USP, dms .....lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works .....lb. .08 - .09
Alginate, refined, water soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots..lb. 1.25 - —
smaller lots .....lb. 1.30 - 1.65
Alkylbenzene-sulphate, dms., wks., lb. .13 - —
Aluminate, 20,000 lbs., or more bgs .100 lbs. 8.50 - —
under 20,000 lbs., works.100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd .....lb. .32 - —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
Arsenite, dealers, dms., works lb. .13¼- .14¼
solution, dms., works.....gal. .70 - 1.00
l.c.l., works .....lb. .11¾- .11⅞
Benzoate, tech., bbls., dms., 100 lbs. or more .lb. .39 - —
bbls., dms., 100 lbs. or more .. lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
l.c.l., works .. 100 lbs. 3.00 - —
powd., bgs., c.l., works .. 100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.60 - —

Sodium bichromate, bgs., c.l., works. lb. .10 - —
l.c.l., works.....lb. .10½- .10⅝
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .13¼- —
l.c.l., same basis.....lb. .13½- —
Bisulphate, bulk, c.l., works .... 100 lbs. 1.75 - —
dms., c.l., works.....100 lbs. 2.40 - —
l.c.l., works .....100 lbs. 2.90 - —
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.75 - —
l.c.l., works.....100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works.. 100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, NF, bots., dms....lb. 7.15 - 8.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, dms.....lb. .05¾- .06½
Chlorate, cryst., dms., c.l., works. lb. .07½- —
l.c.l., works .....lb. .07¾- .08¼
powd., kgs., works. .....lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works.. lb. .75 - —
Chloroacetate, tech., dms., c.l., works..lb. .20 - —
l.c.l., dms., works.....lb. .21 - .22
Chromate, bbls., dms., c.l., works. lb. .11⅝- —
Citrate, USP VIII, bbls.....lb. .21½- —
dms.....lb. .22½- .26½
USP XIII, gran., bbls.....lb. .28 - —
dms.....lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works. lb. .75 - —
smaller lots, works.....lb. .85 - —
Cyanide, 96-98%, dms.....lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works..lb. .11½- .12½

Sodium diacetate anhydrous, dms., works..lb. .14 - .15½
Fluoride, white, 98%, bbls., c.l., works..lb. .10½- —
l.c.l., works.....lb. .10¾- —
95%, bbls., c.l., works.....lb. .10¾- —
l.c.l., works.....lb. .11 - —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb.12.00 - —
2 to 25 tins to case, works..lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works..lb.16.50 -21.00
tribasic, tons.....lb.11.00 - —
Formate, bgs., c.l., dlvd..100 lbs. 7.10 - —
l.c.l. .....100 lbs. 8.15 - —
Gluconate, dms. .....lb. .83 - .85
Glutamate, monobasic, kgs. ....lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls.....lb. 1.70 - 1.85
solution, 75%, cbys.....lb. 1.00 - 1.15
50%, cbys. .....lb. .82 - —
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld.....lb. .21½- .22
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms. .....lb. .23 - —
Hypophosphite, NF, 50-lb. lots, dms..lb. .83 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
pea cryst., bgs., metro area.. 100 lbs. 3.75 - —
Soda, hyposulphite, crystals, in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars.....lb. 2.73 - 2.83

Sodium lactate, edible, 50%, dms., c.l., works..lb. .18 - —
l.c.l., dms., works.....lb. .18¾- —
tech., 50%, dms., c.l., works..lo. .12½- .15
l.c.l., dms., works.....lb .13 - .15¾
Metaborate, octa-hydrate, gran., bgs., c.l., works..ton.73.00 - —
l.c.l., works .....ton.118 00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 - —
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works.....lb. .18½- —
Metanilate, bgs. .....lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.25 - —
gran., bgs., c.l., works..100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.35 - 4.60
bbls., c.l., works.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.75 - 5.00
Molybdate, anhyd., works.....lb. .51½- .63
Monohydrate, bgs., c.l., works. 100 lbs. 2.00 - —
l.c.l., works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .60 - .63
Nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works.....lb.45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac.whse..ton.54.50 - —
bulk, c.l., same basis...ton.51.00 - —
USP, dms.....lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd .....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 5.25 - —
l.c.l., same basis.....100 lbs. 5.55 7.10
hydrated, flake, bols., c.l., works. 100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 5.50 - 5.75



Sodium Oxalate—Sulphur

Sodium oxalate, neut., bgs., works. lb. .09½- —
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½- —
l.c.l., same basis lb. .22½- .24½
pellets, bgs., c.l., same basis, lb. .21 • —
l.c.l., same basis lb. .22 • .24
powd., bgs., c.l., same basis lb. .20 • —
l.c.l., same basis lb. .21 • .24
Perborate, USP, tech., bbls., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .18 • —
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms. lb. .33 • .34
powd., dms. lb. .36 • .37
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 6.75 • 7.00
l.c.l., works 100 lbs. 7.25 • 7.50
cryst., bgs., c.l., works. 100 lbs. 3.35 • 3.60
l.c.l., works 100 lbs. 3.75 • 4.00
USP, dried, powd., dms., works lb. .20 • .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 10.00 • —
l.c.l., works 100 lbs. 12.85 • —
tribasic, anhyd., bgs., c.l., works, frt. equald. 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.75 • —
l.c.l., same basis 100 lbs. 4.25 • —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs lb. .12½- —

Sodium pyrophosphate, acid, bgs., c.l., works, frt. equald. 100 lbs. 10.00 • —
ferric, dms., 1,500 lbs., works. lb. .30 • —
smaller lots, works lb. .31 • —
tetrabasic, anhyd., bgs., c.l., works, frt. equald. 100 lbs. 6.90 • —
l.c.l., frt. equald. 100 lbs. 7.40 • —
Ricinoleate, tech., bbls. lb. No stocks.
Salicylate, USP, cms lb. .57 • .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 • —
bbls., c.l., works 100 lbs. 2.45 • —
l.c.l., bgs., dlvd. zone 1. 100 lbs. 3.70 • 4.10
zone 2 100 lbs. 3.96 • 4.36
zone 3 100 lbs. 4.25 • 4.65
zone 4 100 lbs. 4.96 • 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 • —
l.c.l. dlvd 100 lbs. 5.40 • 5.65
Silicate, 40°, turb'd., dms., c.l., works 100 lbs. 1.00 • —
l.c.l., works 100 lbs. 1.25 • 1.35
tanks, works ton. 16.00 • 17.00

Sodium silicate, 52° turbid, dms., c.l., works 100 lbs. 1.80 • —
l.c.l., works 100 lbs. 2.05 • 2.15
tanks, works ton. 32.00 • —
Silicofluoride, bbls., c.l., works. lb. .04 • —
l.c.l., works lb. .04½- —
Stannate, dms., works, frt. alld. E. lb. .58 • .633
Stearate, tech., bbls., works lb. .40 • —
USP, anhyd., bbls., works lb. .51 • .56
Sulphanilate, bbls., works lb. .22 • —
Sulphate, NF, VII, dried, gran., dms. lb. .20 • .20½
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 • —
l.c.l., works 100 lbs. 2.35 • 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls lb. .15 • .15½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 • —
l.c.l., same basis 100 lbs. 5.00 • 5.25
fused, bbls., c.l., works, frt. equald. 100 lbs. 4.00 • —
l.c.l., same basis 100 lbs. 4.50 • 4.75
Sulphite, anhyd., tech., powd. bbls., c.l., frt. equald 100 lbs. 2.50 • 2.75
l.c.l., same basis 100 lbs. 3.25 • 3.75
crystals, bgs., c.l., works. 100 lbs. 3.60 • —
l.c.l., works 100 lbs. 4.00 • —
bbls., c.l., works 100 lbs. 4.00 • —
l.c.l., works 100 lbs. 4.40 • —
powd., bbls., c.l., works 100 lbs. 6.50 • —
l.c.l., works 100 lbs. 7.00 • —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. .51 • .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45%, basis 100%, tanks, works ton. 95.00 • —

Sodium thiocyanate, CP, dms lb. .55 • .65
tech., dms., works lb. .30 • —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 • .12
Titanate, ctns., c.l., works lb. .10 • —
lb. .10 • —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 • —
l.c.l. 100 lbs. 7.65 • —
Tungstate, tech., kgs., works lb. 1.20 • 1.25
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 • —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 • 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .24 • .24½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 • —
less 1,000 lbs., same basis lb. .30 • —
Solvent naphtha, coaltar, tanks, works gal. .25 • .323
high-flash, tanks, works gal. .25 • .323
petroleum, 100°F. flash, tanks, Baytown, Tex gal. .25 • —
150°F, flash, tanks, same basis gal. .25 • —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 • —
ton lots, works lb. .33 • —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 • —
regular, 70%, aqueous, dms., c.l., works lb. .16½- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. 15¾- —
Soybean meal, 41% bulk, Decatur. ton. 83.00 Nom.
protein, chemically isolated, 40,000 lbs., works lb. .18 • —
20,000 lbs., works lb. .18¼- —
smaller lots, works lb. .18½- .22
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns oz. 2.95 • —
Spikenard root, bls. lb. .40 • .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
Squaw vine, leaves, bls lb. .35 • .40
Squill, red, fortified, powd., bbls. boxes lb. 1.50 • 1.60
White, bls lb. .08 • .10
powd., bbls., bxs lb. .14 • .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 • .18
Stainless steel flake, dry, dms., works lb. 1.50 • —
paste, dms., works lb. 1.25 • —
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.39 • —
Chicago 100 lbs. 4.77 • —
l.c.l. 100 lbs. 5.54 • —
powd., paper bgs., c.l. 100 lbs. 5.50 • —
Chicago 100 lbs. 4.88 • —
l.c.l. 100 lbs. 5.70 • —
Prices for corn starch in cotton bags, 17c. higher.
Starch potato, dom., bgs., c.l. lb. .0595- —
l.c.l. lb. .07 • .07¼
Rice, bgs lb. .10½- .10¾
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0608- .0615
Stavesacre seed, bgs lb. .60 • .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 • .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 • 1.60
Stramonium leaves, bgs lb. .20 • .25
Seed, bgs lb. .20 • .21
Streptomycin, hospitals, vials gram. .80 • —
wholesalers, vials gram. .64 • —
Strontium bromide, NF, cns., dms., lb. .62 • —
Carbonate, 90%, bbls lb. .15½- .16¼
Chloride, tech., bbls lb. .22 .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 • —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 • .44
Salicylate, NF, dms lb. 1.25 • 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton. 58.00 • —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 • 2.85
Strophanthin, NF, bots oz. 39.00 • —
Strophanthus seed, Kombe, bgs lb. 2.50 • 3.00
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 • —
Phosphate, NF, 100 ozs oz. 1.14 • —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 • —
Styrene, monomer, tanks, works lb. .15 • —
Styrolyl acetate, bots lb. 2.50 • 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 • —
tech., bbls., l.c.l., works lb. .55 • —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 • —
Sulphabenzamide sodium, dms., works lb. 4.25 • —
Sulphadiazin, USP, dms., works lb 10.25 -10.75
Sulphadiazin sodium, USP, dms., works lb. 11.25 -11.75
Sulphaguanidin, USP, dms., works. lb. 4.50 • 4.60
Sulphamerazin, USP, dms., works lb. 10.25 -10.75
Sulphamerazin, sodium, USP, dms., works lb. 11.25 -11.75
Sulphanilamide, USP, powd., bots., works lb. 1.30 • 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb. 20.00 • —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 • 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 • 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.50 • 3.65
Sulphathiazole-sodium, USP, dms., works lb. 3.50 • 3.65
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 • —
l.c.l., works 100 lbs. 2.10 • 2.45
crude, c.l., bulk, mines, contract. long ton. 18.00 • —
vessel, f.o.b. Gulf ports, export. long ton. 22.00 • —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 • —
l.c.l., works 100 lbs. 1.95 • 2.30
precipitated, USP, bbls., kgs lb. .27 • .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 • —
l.c.l., works 100 lbs. 3.35 • 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 • —
l.c.l., works 100 lbs. 3.15 • 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 • —
l.c.l., works 100 lbs. 4.20 • 4.60
Sulphur flowers in bbls. 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 • —
l.c.l., works 100 lbs. 2.75 • 3.10

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Sulphur, rolls, bgs., c.l., works. 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 —
l.c.l., bgs., works 100 lbs. 2.60 2.95
Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works lb. .04¼ —
10-gal. dms., l.c.l., works lb. .08¼ —
Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .18 - —
Sumac bark, 28%, grd., bgs., ex dock ton.75.00 - 77.00
Extract, No. 1, bbls lb. .10½ - —
No. 2, bbls lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaf, 28% grd., bgs., ex-dock. ton.75.00 - 77.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltimore unit-ton. .76 .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla unit-ton. .83 —
Prices on 48% triple superphosphate in other states and D.C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls lb. 1.50 1.70

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 —
l.c.l., works ton.17.50 —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.25.00 -32.00
imp., Canada, grd., bgs., c.l. ton.20.00 -45.00
Tallow, inedible, extra, loose, dlvd. lb. .06¼- —
fancy, loose, dlvd lb. .06½- —
special, loose, dlvd lb. .05¾- —
sulphonated, 25%, dms lb. .07½- .08
50%, dms lb. .10 - .10¼
Tamarinds, bbls lb. .14 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton.10.00 - —
Chicago unit-ton.10.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs. lb. .09¾- .10
medium grades, bgs lb. .08½- .09
low, bgs lb. .07 - .07¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - —
tanks, same basis gal. .52 - —
Tar coal (see Coaltar)
Pine (see Pinetar)
Tara pods, bgs., c.l., ex docs U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs. lb. .45 .50
Leaves, bgs lb. .85 .95
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs. lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .35 - .60
Terp'nglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .60 - 1.03
prime, cns., dms lb. .55 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 5.25 - —
Tetrachloroethane, dms., works lb. .08 .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, 40%, cns., dms., works lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs lb. 5.00 - —
Salicylate, fib. dms lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms. lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms lb. 3.15 - 3.50
Theophylline, USP, bots., kgs lb. 6.00 - 6.15
Thiamine hydrochloride, USP, dms., 100 grams kilo.160.00 - —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .16½- .17
Spanish, bls lb. .09 - .09½
Thymol, USP, kgs lb. 3.65 3.75
Iodide, NF, dms. lb. 6.80 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .88 .89
Crystals, hydrous, bgs., bbls., works lb. .71½- —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 - 1.02
Sulphate, stannous, bbls., kgs., works lb. .98 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., works lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E lb. .22 .22½
Hydride, cns., works lb. 7.00 8.00

Titanium pigment, calcium-rutile base, bgs., c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 53-gal. dms lb. .54½- .55
smaller, pkgs., works lb. .65 1.22
technical, 5-gal. dms., works lb. .32 —
smaller pkgs., works lb. .40 1.00
Tolu balsam, cns., dms lb. 2.10 - 2.80
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .21½- —
Birmingham, Ala gal. .20¼- —
Chicago district gal. .23½- —
Cleveland district gal. .23 - —
Dangerfield, Tex gal. .23½- —
Geneva, Utah gal. .19 - —
Hamilton, Ohio gal. .22 - —
Johnstown, Pa gal. .20 - —
Lackawanna, N. Y. gal. .23 - —
Philadelphia, Pa gal. .24 - —
Pittsburgh district gal. .20 - —
Sparrow's Point, Md gal. .21½- —
St. Louis, Mo gal. .25 - —
Syracuse, N. Y. gal. .20½- —
Terre Haute, Ind gal. .24½- —
Woodward, Ala gal. .20¼- —
Wyandotte, Mich gal. .23 - —
Youngstown, Ohio gal. .20½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill. gal. .25 - —

Tonga, 50% bark and vine, bls. lb. .80 - .93
Tonka beans, Angostura, cks. lb. 1.75 - 1.80
Brazilian, cs. lb. .85 - .90
Surinam, cs. lb. .85 - .90
Toxaphene, dms., works, c.l. lb. .24 - —
truckloads, works lb. .24 - —
ton to truckloads, works lb. .27 - —
less than tons, works lb. .30 - —
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .38½- .43
Tributyl citrate, dms. lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .76 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½- —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½- —
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
Zone 4 lb. .11 - —
Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1¼c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. lb. .35½- —
tanks, dlvd. lb. .33½- .34
petroleum, dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd. lb. .35 - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethyl citrate, dms lb. .34 .36
smaller containers lb. .39 .45
Phosphate, dms., works, c.l. lb. .38 —
dms., l.c.l., same basis lb. .39 —
tanks, same basis lb. .37 —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .38 —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb. .33 - —
Trimethylhexanol, dms., c.l., works. lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine bbls., works lb. .90 - —

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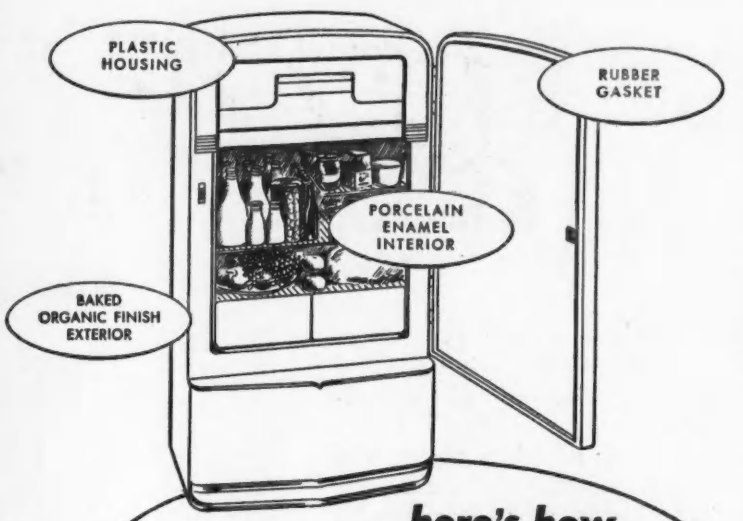
PAINT
PAPER
RUBBER
FLOOR COVERING
COATED FABRICS
PLASTICS
TEXTILE
CERAMICS
VITREOUS ENAMEL
GLASS
WELDING ROD
INK
LEATHER
BUILDING MATERIALS



here's how TITANOX pigments make products more attractive

A modern refrigerator is an example of the many ways TITANOX pigments help give products more eye-appeal in the showroom as well as assure them lasting attractiveness in the home. The inherent chemical stability of these pigments helps retain the refrigerator's beauty, regardless of whether the part is exposed to freezing temperatures or moisture.

These versatile titanium dioxide pigments come in a variety of types and grades to impart the desired degree of opacity, brightness, whiteness or tint to your product.

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the brightest name in pigments

7407

TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

Tripoli—Wormwood Leaves

Tripoli, air-floated, bgs., c.l., works lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium pnosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, fib. ctns., works kilo. 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs. works lb. 2.85 - —
Turmeric root, Alleppey, bgs. lb. .35 Nom.
Haitian, bgs. lb. .13 - .13¼
Jamaica, bgs. lb. .14 - .15
Madras, bgs., futures lb. .22 - .23
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .48 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .55
N. Y. whse gal. .55 - —
steam-dist., dms., incl., c.l., works gal. .58 - —
l.c.l., ex whse., NYC gal. .64 - —
tanks, works gal. .32 - —
Tyrothricin, bots. gram 1.15 - 1.25

U

Urethane, USP, dms lb. 1.75 - —
Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, black, bgs. lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
46% N, bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 103.58 - —
paper bgs., c.l., 30 tons, frt. alld., Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 98.00 - —
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west ton. 107.15 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton. 125.00 - —
C and D grades, same basis, ton. 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls. lb. .11 - .12

V

Valerian root, Belgian, NF, bls. lb. .45 - .50
Valine, dextro-laevo, dms., works lb. 22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 75.00 - —
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 3.00 - 3.75
Mexican, cuts, tins lb. 3.50 - 3.75
whole, tins lb. 3.85 - 4.50
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs. lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 million USP units. mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units. mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm 1,000,000 units. .40 - —
400,000 to 750,00 A units per gm., same basis 1,000,000 units. .42 - —
750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .45 - —
A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm 1,000,000 units. .39 - —
400,000 to 750,000 A units per gm., same basis 1,000,000 units. .41 - —
750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .44 - —
A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm. 1,000,000 units. .48 - —
Vitamin A, synthetic, palmitate, 800,000 A units per gm. 1,000,000 units. .50 - —
Vitamins, A concentrate (see Oil, fishliver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls. lb. 1.50 - 1.75
Tree bark, bls. lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 83.00 - —
merchantable, bgs., ex dock ton. 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .06½- —
tanks, works lb. .06 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09½- .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09½- .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs. lb. No stocks.
Bees, bleached, USP, white, bricks, cs. lb. .64 - .65
slabs, bgs. lb. .63 - .64
crude, African, bgs. lb. .45 - .47
western hemisphere, bgs lb. .45 - .47
refined, yellow, bricks, cs. lb. .56 - .57
slabs, bgs. lb. .55 - .56
Candelilla, crude lb. .45 - .47
refined, bgs. lb. .48 - .50

Powdered candelilla, 20 mesh, 5c. per lb extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., ton lots lb. .76 - .77
North Country, No. 2, ton lots lb. .84 - .85
No. 3, crude, bgs., ton lots lb. .81 - .83
refined, bgs., ton lots lb. .85 - .86
yellow, No. 1, bgs., ton lots lb. 1.10 - 1.12
No. 2 lb. 1.08 - 1.10

Powdered carnauba price differentials same as powdered candelilla.

Ceresin, dms., 132°-136° m.p., bgs. lb. .12½- .13
138°-140° m.p., bgs. lb. .14½- .15
150°-160° m.p., bgs. lb. .17 - .17¼
Japan, bgs. lb. .75 - .77
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
White, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, crude, dom., bgs. lb. .31 - .32
Bohemian, bgs. lb. .22½- .23
German, bgs. lb. .27 - .29
Ouricury, refined, bgs., ton lots, lb. .73 - .75
Ozokerite, fabricated, black, 189-190 m.p., bgs. lb. .31 - —
182-183 m.p., bgs. lb. .29 - —
171-172 m.p., bgs. lb. .27 - —
white, 178-183 m.p., bgs. lb. .26 - .27
170-172 m.p., bgs. lb. .22 - .23
yellow, 180-190 m.p., bgs. lb. .25 - .26
182-183 m.p., bgs. lb. .20 - .21
178-183 m.p., bgs. lb. .21 - .21¼
170-172 m.p., bgs. lb. .18 - .19
Spermaceti, blocks, cs. lb. .32 - .33
cake, cs. lb. .33 - .34
White lead (see Lead, white).
White pine bark, rossed, bls. lb. .16 - .20
White precipitate, USP, powd., dms., 50 lbs. lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, ogs., 40 tons St. Louis, works ton. 11.00 - —
40 tons, N. Y. whse. ton. 19.00 - —
smaller lots, St. Louis, works ton. 13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l. ton. 14.50 -27.50
200 mesh, bgs., c.l. ton. No prices
90% 200 mesh, bgs., c.l. ton No prices.
water-floated, extra gilders, bgs., c.l. ton. 14.50 - —
gilders, bgs., c.l. ton. No prices.
putty grade, bgs., c.l. ton. 13.00 - —
surface treated, bgs., c.l., Ohio works ton. 30.00 - —
Paris white, bgs., c.l. ton. 25.00 -31.00
l.c.l. ton. 25.00 -29.00
Precipitated, bgs., c.l. ton. 18.00 -20.00
l.c.l. ton. 22.00 -25.00
Wild cherry bark, thick, natural, bls. lb. .06 - .07
rossed, bls. lb. No prices.
thin, natural, bls. lb. .15 - .16
rossed, bls. lb. .17 - .18
Wild indigo root, bls. lb. .30 - .31
Wild yam root, bls. lb. .16 - .17
Witch hazel leaves, bls. lb. .14 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton. 32.00 - —
l.c.l., same basis ton. 40.00 - —
60 mesh, bulk, c.l., same basis. ton. 37.00 - —
l.c.l., same basis ton. 45.00 - —
80-100 mesh, bulk, c.l., same basis. ton. 40.00 -45.00
l.c.l., same basis ton. 50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .13 - .14
Levant, bgs. lb. 4.15 - 4.25
Wormwood, leaves, bls. lb. .40 - .45

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SPECIFICATIONS	Melting Point °F	Penetration with 100 grams	Color N.P.A.
200	185/190	10 Maximum	Brown
500	185/190	10 Maximum	2½ Maximum
700	190/195	5 Maximum	2 to 2½

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PW. 49-8

X

Xanthorrhiza root, bls.	lb.	.28	.30
Xylene (see Xylol).			
Xylenol, 5°-7°, ref. dms., c.l., works, frt. equald.	lb.	.21¾-	—
l.c.l., same basis	lb.	.22¼-	—
tanks, same basis	lb.	.21	—
45°, dms., l.c.l., frt. equald.	lb.	.24	—
fractions, over 7° C, dms., c.l., same basis	gal.	.91	—
l.c.l., same basis	gal.	.94	—
tanks, same basis	gal.	.80	—
Meta fraction, over 7° C, dms., c.l., same basis	gal.	.96	—
l.c.l., same basis	gal.	.99	—
tanks, same basis	gal.	.85	—
Xylidins, mixed, dms.	lb.	.45	.50
Xylol, coaltar, industrial, tanks, works —			
Bethlehem, Pa.	gal.	.28	—
Birmingham, Ala.	gal.	.23¼-	—
Chicago district	gal.	.26½-	—
Cleveland district	gal.	.26	—
Dangerfield, Tex.	gal.	.27	—
Hamilton, Ohio	gal.	.25	—
Johnstown, Pa.	gal.	.24	—
Lackawanna, N. Y.	gal.	.24	—
Pittsburgh district	gal.	.23	—
Sparrows Point, Md.	gal.	.26	—
St. Louis, Mo	gal.	.28	—
Syracuse, N. Y.	gal.	.23½-	—
Terre Haute, Ind.	gal.	.28	—
Woodward, Ala.	gal.	.23¼-	—
Wyandotte, Mich.	gal.	.27	—
Youngstown, Ohio	gal.	.23½-	.25
Petroleum, industrial, 10°, tanks, works:—			
Albany, N. Y.	gal.	.28	—
Bayonne, N. J.	gal.	.28	—
Baytown, Tex.	gal.	.25	—
Chicago, Ill.	gal.	.27	—
Detroit, Mich.	gal.	.28	—
Philadelphia, Pa.	gal.	.28	—
Providence, R. I.	gal.	.28	—
Sewall's Point, Va.	gal.	.25½-	—
Wood River, Ill.	gal.	.27	—

Y

Yara, yara, cns.	lb.	2.00	2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms.	lb.	.44	.48
90 B units, per gram, 100 lb. dms.	lb.	.49	.51
200 B units, per gram, 100 lb. dms.	lb.	.53	.55
300 B units, per gram, 100 lb. dms.	lb.	.57	.59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.32	—
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.			
Benzidin, bbls., dlvd.	lb.	1.60	1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies.	lb.	2.65	—
Lithopone, all shades, bbls., frt. alld. E. of Rockies	lb.	.95	—
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, tracts	lb.	.30¼-	—
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Hansa, bbls., same basis as chrome	lb.	1.60	1.70
Primrose, bbls., same basis	lb.	1.90	2.10
Iron oxide, natural, bgs., c.l., works	lb.	.0141-	.0250
l.c.l., works	lb.	.0166-	.0275
French type, bgs., c.l.	lb.	.04½-	—
l.c.l.	lb.	.04¾-	—
Peruvian type, bgs., c.l.	lb.	.0185-	.0210
synth. bgs., c.l. works	lb.	.09	—
l.c.l. works	lb.	.09¼-	—
Mercury oxide, bbls., 1,000 lbs.	lb.	1.93	—
smaller lots	lb.	1.95	—
Ocher American golden, bgs., works	lb.	.01¼	.02¾
Zinc, bbls. same basis as chrome	lb.	.23½-	—
Yellow dock root, bls.	lb.	.16	.25
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls.	lb.	.28	.30
Yohimbine hydrochloride vls.	oz.	3.25	4.00

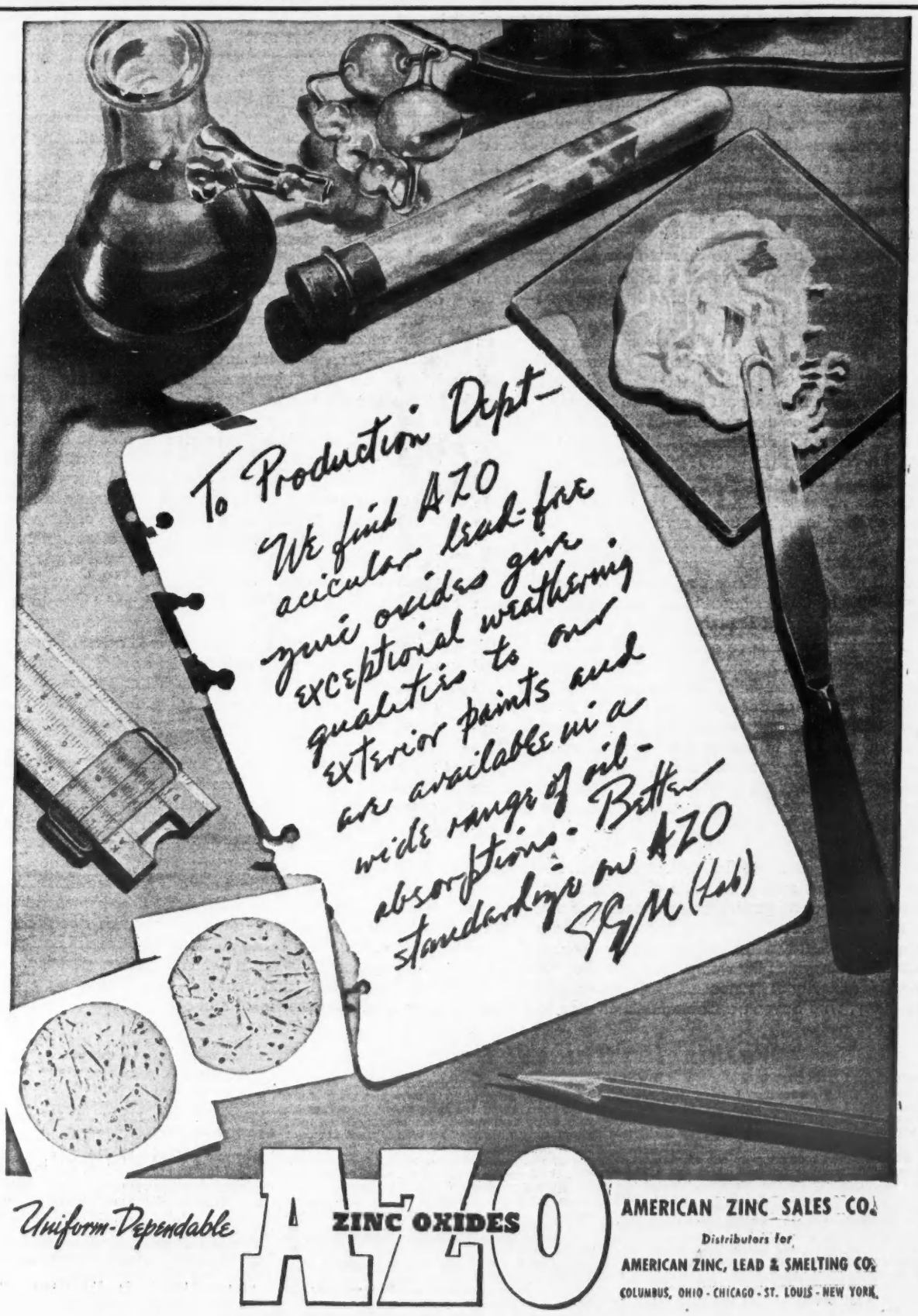
Z

Zein, bgs., 36,000 lbs., works	lb.	.30	—
1,000 lbs. to 36,000 lbs., works	lb.	.32	—
smaller lots, works	lb.	.35	—
Zinc acetate, tech., bbls., dms.	lb.	.26¼-	—
NF, dms.	lb.	.38	—
Arsenite, bgs., c.l., frt. alld. E. of Rockies	lb.	No stocks.	
l.c.l., same basis	lb.	No stocks.	
Borate, bgs., c.l., ship't pt., frt. alld., E.	lb.	.12	.15½
frt. alld. Pac. Coast	lb.	.15	.17½
l.c.l., ship't pt., frt. alld. E.	lb.	.12½-	.16
frt. alld. Pac. Coast	lb.	.16¾-	.19¼
Carbonate, tech., rubber makers, bbls., works	lb.	.10¾-	—
precip., powd., dms.	lb.	.26	—
Purified precip., dms.	lb.	.37	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	7.00	—
l.c.l., works	100 lbs.	7.40	—
gran., bbls., c.l., works	100 lbs.	7.75	—
l.c.l., works	100 lbs.	8.15	—
solution, 50%, dms., c.l., works.	100 lbs.	3.90	—
l.c.l., works	100 lbs.	4.50	—
tanks, works	100 lbs.	3.25	—
NF, gran., dms.	lb.	.42	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.38	.41
Dust, bbls., c.l., works	lb.	.1225-	—
dlvd.	lb.	.1250-	—
l.c.l., works	lb.	.1260-	.1325
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.17¼-	—
l.c.l.	lb.	.17¾-	.18
Iodide, NF, jars	lb.	4.85	—
Laurate, bbls.	lb.	.45	.46
Linoleate, solid, 9½%, bbls.	lb.	.50	—
Metal slabs, E. St. Louis	lb.	.10	—
Naphthenate, liquid, 8% Zn., frt. alld.	lb.	.20¾-	—
10% Zn, dms., frt. alld.	lb.	.25½-	—
Oleate, fused, bbls.	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld.	lb.	.11	—
l.c.l., works	lb.	.11¼-	—
Zinc oxide, pigment, dom., American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld.	lb.	.11	—
l.c.l., works	lb.	.11¼-	—
leaded, 5%, bgs., c.l., ship't point, frt. alld.	lb.	.11	—
l.c.l., works	lb.	.11¼-	—
35%, bgs., c.l., ship't point, frt. alld.	lb.	.12½-	—
l.c.l., works	lb.	.12¾-	—
50%, bgs., c.l., ship't point, ftr. alld.	lb.	.13¼-	—
l.c.l., works	lb.	.13⅜-	—
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld.	lb.	.13¼-	—
l.c.l., works	lb.	.13½-	—
green seal, bgs., c.l., ship't point, frt. alld.	lb.	.12¾-	—
l.c.l., works	lb.	.13	—
red seal, bgs., c.l., ship't point, frt. alld.	lb.	.12¼-	—
l.c.l., works	lb.	.12½-	—
white seal, bgs., c.l., ship't point, frt. alld.	lb.	.13¼-	—
l.c.l., works	lb.	.13½-	—
USP, ctns., c.l., ship't point, frt. alld.	lb.	.14¼-	—
l.c.l., same basis	lb.	.14½-	—
Zinc oxide Pac. coast prices, etc., higher; bbl prices ¼c. higher than bgs.			
Phenolsulphonate, NF, gran., bbls., dms.	lb.	.28	.29
powd., bbls.	lb.	.31	.32
Resinate, fused, 1% Zn., dms., frt. alld.	lb.	.20	—
precip., dms., frt. alld.	lb.	.22	—
Silicofluoride, bbls., works	lb.	.10	.10½
Stearate, tech., USP, ctns., c.l.	lb.	.34	—
ton lots	lb.	.35	—
less ton lots	lb.	.36	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	4.55	—
l.c.l., same basis	100 lbs.	4.95	—
Zinc sulphate, flake, 25½%, Zn, bgs., c.l., works	100 lbs.	5.50	—
l.c.l., works	100 lbs.	5.70	—
powd., 36% zn., bgs., c.l., dlvd. same basis	100 lbs.	7.00	7.40
l.c.l., same basis	100 lbs.	7.40	7.75
Zinc sulphate in bbls. 40c. higher			
USP, gran., dms.	lb.	.22	.22½
Sulphide, pure, bgs., c.l., frt. alld.	lb.	.13¼-	—
l.c.l., works	lb.	.13½-	—
Barium pigment, bgs., c.l., dlvd.	lb.	.08	—
l.c.l., works	lb.	.08¼-	—
Calcium, pigment, bgs., c.l., dlvd.	lb.	.08	—
l.c.l., works	lb.	.08¼-	—
Luminescent pigment, frt. alld.	lb.	1.00	3.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.08	—
l.c.l., dlvd.	lb.	.08¼-	—
Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.			
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	7.00	—
l.c.l., bags, works	100 lbs.	7.40	—
Zinc-cadmium sulphide, fluorescent, cns., frt. alld.	lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1360
l.c.l., same basis	lb.	.1220-	.14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.23	.23½
normal, dms., works	lb.	.43	.45
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls., works	lb.	.21¼-	—
Zirconium carbonate, basic, cake, bbls., works	lb.	.30½-	—
Hydride, cns., works	lb.	7.00	—
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50	—
lump, electric-fused, bgs., works	lb.	.44	—
5 tons, works	lb.	.44½-	—
1 ton or less, works	lb.	.45	.48
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½-	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½-	—
Silicate, granular, bgs., c.l., works,	lb.	.03¼-	.03¾
10 tons, works	lb.	.03½-	.04
5 tons, works	lb.	.04	—
1 ton or less, works	bl.	.04¼-	.04¾
milled, bgs., c.l., works	lb.	.04¾-	—
5 tons, works	lb.	.05¼-	—
1 ton or less works	lb.	.05¾-	.06¾
refined, bgs., c.l., works	lb.	.11	—
5 tons, works	lb.	.11½-	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works	lb.	.37½-	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb.	.38½-	.39

Xanthorrhiza Root—Zirconium

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials, last printed in the May 2 issue of OPD, has been discontinued.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Butter Business Bureaus

July 26 was a notable day in the butter business of the United States Department of Agriculture. On that day, for the first time since the department went into the business of buying the butter for which nobody else would pay the prevailing price, nobody offered it any butter. It had bought 9,844,493 pounds in the preceding four months. A naive composer of newspaper headlines said that the government was happy over its unbuttered day. His opinion was far off the beam.

July 27, following the good old business method of raising your bid when your prevailing offer does not attract sellers, the United States Department of Agriculture increased its butter-support price from 59 cents a pound to 62 cents. At the beginning of its butter buying the department had said that the 59-cent offer would continue until September 1. Its beating the gun gave butter-and-egg businessmen a kick in the pants, sufficiently heavy, as well as swift, to discommode their activities. The result of their dizzy spell was that the department had to buy 2,154,047 pounds of butter August 1—at 62 cents a pound!

Similarly business-minded were the dairy members of the U. S. Senate (the "S" in this instance stands for "syndicalists"). One might have expected that the high house of lawmaking would have been influenced by the "happy" state of the government's butter business to think kindly of the consumers' right to buy oleomargarin without paying a governmental fee. One might have been naive enough to believe that the house-passed margarin-tax-repeal bill would be taken off the senate shelf and, at least, put up to a vote. July 26—that same happy day—seven senatorial butterists introduced a legislative rider which is designed to restore the 1931 ban on the use of margarin on soldiers' bread, which had been lifted in the enactment of the military appropriation bill by the House of Representatives.

There is no conclusive evidence that the butter which the Department of Agriculture is obliged to buy is turned over to the Department of Defense for use in feeding the military forces, or goes into the national school lunch program. The government is forbidden to sell its support acquisitions in ordinary trade: such goods are to be disposed of to nonprofit organizations—the category does not include that utterly profitless organization, the private household—in some ways they can be kept for governmental use in hospitals. Otherwise they are destroyed or sold at a loss in foreign markets as food or domestically as industrial materials. What is needed as a two-way saving in costs of government is a requirement that all governmental employees must accept a specified percentage of their compensation in butter, eggs, potatoes, turkeys, cheese, corn, cotton, and other commodities which their employer must buy to appease a small minority of its stockholders at the expense of the majority, who haven't a Chinaman's chance to get any objections past the syndicalists who set up such conditions by statutory edict or regulartory decree.

Something will have to be done about the monopolistic tendencies of the butterbund. Otherwise there may soon come a tax on lactic acid not made from milk; a requirement that cold cream contain as much butterfat as ice cream; a proscription against the application of the term, "butter-fingers," to anything other than actually dairy-buttered digits; and an order that nothing other than a utensil for holding or measuring butter may be called a butter-cup. The first step is to put that shelved margarin relief bill to a vote.

Business Needs Practical Aid

One need not be of the opinion of the anecdotal business philosopher who held that the titular appendage, "Ph.D.," meant "pig-headed dummy," to feel that the idea of making the possession of a Ph.D. degree in economics a prerequisite of the holding of bureau or division or office chieftainships in the United States Department of Commerce has little in common with the needs of such positions. The Department of Commerce is designed to provide business with assistance in practical trade. There is a vast and irreconcilable difference between that and theoretical economics, even if the latter be confined to the strictly commercial aspects of the "science." Such restriction, of course, is neither practicable nor desirable in the practical application of economics. But, even hard-headed businessmen have difficulty enough in maintaining a proper proportioning of the commercial, political, and social aspects in any governmental functioning.

The Department of Commerce is a board of trade on an international scale. Satisfactorily and adequately to perform its intended functions, it must use the knowledge and experience of trade. Theories just do not work; even when they can be reduced to common denominators and a state of homogeneity that cannot be approached in the realms of economics.

United States business is facing a big, hard job. It needs much more practical internal thinking than it is getting. It needs a far larger measure of realism than it has. It needs to know much more than it appears to know; it needs to guess less and to talk less. It is doing entirely too much by way of talk toward putting itself in a hole from which it will never be able to emerge in a recognizable condition. Very much of that talking is being done by learned economists who know nothing about business other than abstruse premises and obtuse phrases. This is not true of all: some of them have learned also in the finishing school of experience—learned, among other things, to forget much of what had previously passed as learning.

Business needs a deal of external assistance to meet its big problem of today and a thousand tomorrows. It is badly in need of objectively derived advice. But, that advice must be practical, and its application must be practicable. Such advice it can get only from practical advisers who know its practical problems. There are many such advisers in Department of Commerce posts. Whether they have Ph.D. degrees in economics is of not more than secondary consideration. They can understand the problems of business; and, what is of still greater importance, businessmen can understand them. Still more important is the fact that businessmen have confidence in those whom they have come to know well in their contacts with the department. They know that, in their need for advice, they are received, impartially, it is true, but without condescension or browbeating.

Business is already getting too much doctoring by government. It is being theorized into mental and physical impotence. What it needs is advice, practical, factual, statistical, and realistic—from those who have acquired competence of that sort.

Washington Talks It Over

—*Continued from page 5*

other told me something I must not repeat here, and I am going nuts about this thing because I think I ought to vote for every bill that gives away money to everybody for nothing.

I know I can talk my way out of voting billions of dollars for this and that, and I know I can make my people weep and wring my hand in pride when I explain my heroic stand in building a solid gold road block across the path of Stalin's march into Europe. I can even get away with voting away millions and millions for anything my people have read about—heard about or seen about—but a tung nut is something else again.

Now, Mr. Speaker, I ask to know:—

Just what would happen to this country of ours if the price of tung nuts just went along with the craving for tung nuts. It cannot be that every taxpayer in the country is so nuts about tung nuts that he would want them at the highest possible cost.

And now about the honey. I have noticed that the bees do about all the work of making honey, and they don't belong to unions, so the wages have not changed in the past several thousand years—furthermore, they do not vote.

If the guy who owns the bees wants to live a little better than he does—all he has got to do is get some more bees. He just cannot miss. Like most everybody except farmers, the keeper of the bees and the tung nutter are just common businessmen—and therefore not entitled to any consideration whatever.

I hope I can find a good line to feed my constituents—if I vote for this bill.

August 2, a couple or three days after Mr. James had so logically presented his dilemma, the house passed the bill to give "Tungnuts mit honey" a 90-per-cent-of-parity sugaring.

Liquor on the Radio

Failing in his efforts to get his own committee to endorse legislation that would prohibit interstate advertising of beverage spirits, Senator Ed. Johnson of Colorado, is now appealing to Secretary of the Treasury John Snyder and the Federal Communications Commission to step in and block such advertising.

He is concerned at the moment with the use of radio broadcasting to advertise liquors. He has heard that certain large distilling companies plan to get into this advertising medium and that negotiations have reached the stage where program material is being discussed with the networks.

Mr. Johnson says that it seems to him that the liquor industry's projected plan to use radio is vicious, is without regard for the high moral standards of American homes, and is contrary to the public interest. Through the licensing powers of the Alcohol Tax Unit and FCC, he asks that they stop "this reckless plan" of the distillers cold in its tracks. If it isn't blocked, he is confident that pressure will be brought to bear for passage of his bill to bar all forms of interstate advertising of liquor.

ECA Procurement Plan

ECA has devised a new type of procurement authorization for issuance to Marshall Plan countries which lists a terminal date for the delivery of ECA-financed goods instead of the present calendar delivery quarter.

Under the new type of authorization, shipments may be made any time between the issuance of an authorization and the terminal date listed on it. No specific deadline is set for subauthorization which the foreign governments assign to their importers after receiving the authorization. The governments will, however, be expected to subauthorize early enough to permit importers to obtain delivery by the terminal date.

The old type of procurement authorization carried a number which indicated the recipient country, the type of goods, the source, and the delivery quarter. The numbering system on the new type of authorization will indicate the recipient country, the type of goods, and a serial designation. The new-type authorization with the serial number will provide a means for ECA to check the general requirement that contracts be made after the issuance of authorizations.

Government Contact Men

Congress is becoming a little upset over what is developing into a widespread practice of government officials to resign their jobs and take positions in private industry with companies with which they were closely concerned while in government. Quite an imposing list of such names could be compiled if anyone took the trouble to investigate.

The howls of protests are the loudest from the Republicans. This is natural, because the Republicans have been out of power for so long that there are not many of them left in the good jobs in government; they were superseded by the deserving Democrats and New Dealers who came in with Roosevelt and Truman, and now are leaving the government for greener pastures.

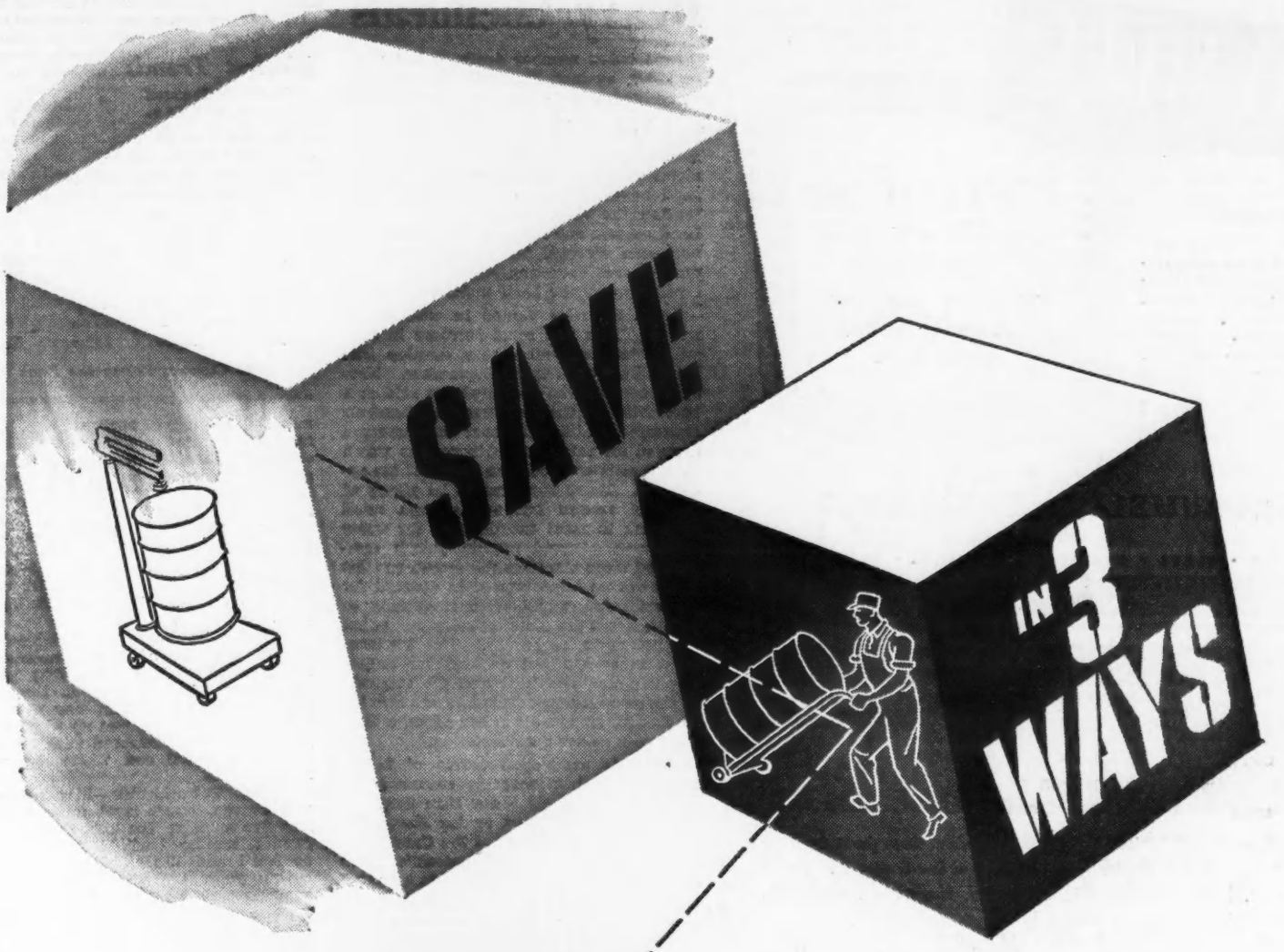
But not all of the protests are from the Republicans. Senator Russel B. Long, a Louisiana Democrat, has added his voice to the din and is threatening to sponsor an investigating resolution to get to the bottom of the whole "unsavory business." Maybe it is only a coincidence, but many of those who have left the government for private industry jobs can still be found around Washington rubbing shoulders with their former bosses or gladhanding their friends on Capitol Hill.

Windbreaks Hold Water

These hot midsummer days, the trees and shrubs planted in windbreaks on the Great Plains are still getting benefits from the blizzards of last Winter. So are some crops, for the same reason. In fact, the heavy snowfall emphasized one factor that has worked for the success of the windbreak planting program. In a snowy Winter each good windbreak builds up a huge drift of snow. Even in a normal or mild Winter on the plains, these plantings trap enough snow to help them through the following Summer.

When the shelterbelt program was first proposed, back fifteen years or more ago, there were many doubters who believed that, since tree growth was not general on the plains, the plantings would fail for lack of moisture. There were many protests against the government's throwing away the taxpayers' money. The critics, however, failed to take account, for one thing, of the snow-catching or snow-trapping that follows after the rows of trees and shrubs have made a few seasons of growth. After the heavy snows of last Winter, field men and technicians of the Soil Conservation Service observed the deep drifts in the windbreaks and to leeward, and estimated the moisture the trees had trapped—in part for their own use. In nearly every case it amounted to several heavy irrigations, a reserve to carry the tree through weeks of dry weather.

Experience last Winter showed that well-placed plantings were a great help in keeping roads open and in preventing heavy drifting around farm buildings.



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Heavy Chemicals

Acid index number declined last week to 121.8, against 122.0 in the preceding week and 122.4 for the corresponding period in 1948. Oxalic acid was priced lower with the market more competitive, stocks liberal and demand slow. Lead metal advanced under the continuance of good buying, the upward revision representing the sixth advance since July 8. Lead acetate and lead nitrate prices have not been altered, possibly because producers are operating with metal purchased before the basic market advanced.

Small lot sales gained in volume last week. There was some increase in consumer interest which may develop into better business during September. Market observers who use sulphuric acid as a barometer for the movement of chemicals expressed gratification over the increased demand for this acid. Others who watch caustic soda and soda ash were not too optimistic. There appeared to be plenty of chlorine around but not enough small cylinders to meet the demand for water treatment. Liquid caustic potash commanded more attention for textile use but there was no improvement in demand for the solid forms and some slackening in inquiry from the glass industry was noted for potassium carbonate. The improvement in agricultural demand for copper sulphate was sustained and the entrance of the zinc stearate manufacturers into the market for zinc sulphate has added a little color to a rather drab situation.

Domestic production levels of industrially important inorganic chemicals for May were generally lower than those reported for April, 1949, or for May, 1948, according to the Bureau of the Census. Increases above April, 1948 quantities were noted for 14 of the 35 chemicals included in the Bureau's survey, while decreases were reported for 19. Fourteen of the 35 chemicals were also produced in larger amounts in May, 1949, than during May, 1948, and 19 were produced in smaller volume.

Production of synthetic anhydrous ammonia increased again over the previous month's figures, thereby setting a new monthly high for this chemical. The usual seasonal movement was reflected in May production gains for solid carbon dioxide. Other heavy chemicals for which May quantities were higher than those for the preceding month were chlorine, phosphoric acid and sulphuric acid.

Paper production based on a percentage of six-day capacity was 84.7 percent for the week ending July 30, according to the American Pulp and Paper Association. This compared with 83.2 in the preceding week, and 96.5 for the corresponding week in 1948.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Bureau of Mines and the Chemical Division of the Tariff Commission.

Ammonia, Anhydrous — Production of synthetic in May amounted to 110,129 tons which is the highest monthly output on record. April production was 109,306 tons and in May last year output registered 82,408 tons.

Ammonia Liquor — Production of ammonia liquor in May was 4,249,899 pounds, compared with 4,263,209 in April and 4,285,600 in May 1948. Total output for the first five months of 1949 was 20,927,883 pounds, against 20,066,500 for the corresponding period in 1948. Sales in May were placed at 2,956,922 pounds, compared with 3,111,966 in preceding month and 3,971,500 for May 1948. Total sales for five months ending May 31 this year were 15,486,033 pounds, against 19,023,600 for the same time in 1948. Stocks on May 31, were 1,274,999 pounds, compared with 1,056,611 on April 30 and 1,286,811 on May 31, 1948.

Arsenic—Importations of white arsenic in April were down to 516,000 pounds, all from Mexico. The total is less than half of the importations for the preceding month, 1,141,000 pounds.

Calcium Carbide — May production dropped to 45,804 tons of commercial. April output was 50,763 tons and in May 1948, production amounted to 59,009 tons.

Calcium Chloride—This material is now being made in pellet form by one of the producers. The pellets are essentially anhydrous, being 94 percent anhydrous material, and are of buckshot size. In this form, it is stated that calcium chloride is efficiently handled, free flowing and easily stored. The price is $29 per ton f.o.b. the works, packaged in 100 pound moisture proof paper bags.

Carbon Bisulphide—Production in May was the lowest for any of the first five months of 1949. The total was 26,237,968 pounds, compared with 26,753,622 pounds in April and 37,533,338 pounds in May 1948.

Carbon Dioxide—Seasonal expansion in output took place in May. Production of liquid and gas was 22,184,000 pounds, against 18,792,000 in the preceding month and 20,900,000 pounds in May 1948. Output of solid, dry ice, was up to 81,481,000 pounds in May, compared with 56,966,000 pounds in April and 75,317,000 pounds in May 1948.

Carbon Tetrachloride—May production was at the lowest level for any of the first five months. The total was 13,607,213 pounds, compared with 14,653,507 pounds in April and 17,251,426 pounds in May of last year. Consumers have not found supplies a problem so far this year.

Chlorine—Demand has run above the seasonal normal average for chlorine in small cylinders for various water treatments and the supply of these small cylinders is short at the present time. The increased demand is atttributed to the intense heat that has prevailed this Summer. According to producers, there is no current shortage of chlorine and tankcars have continued available for prompt shipment. May production of chlorine gas was higher at 143,718 tons, compared with 140,791 in April and 130,926 in May last year.

Copper Sulphate—Demand for immediate shipment remained active last week with producers making every effort to move material out but still about three days behind. Most of the demand came from New York, New Jersey, Pennsylvania and Maine. Improved financial condition of the Florida fruit growers has made the outlook better from that area for a Fall movement. Industrial demand is below normal but increased slightly last week. European inquiry is definitely slow at present. April exports amounted to 4,224,000 pounds, compared with 10,955,000 in March. In the April exports, 3,336,000 pounds were destined to Algeria.

Glauber's Salt—Buyers have shown some interest in small lots but round lot quantities have been neglected. Production in May was down with a total of 11,881 tons, compared with 12,170 tons in the preceding month and 15,828 tons in May last year.

Nickel Chloride—No unusual activity in this market since the turn of the month. Consumers have taken on stock for current use and supplies have continued adequate to meet requirements.

Nickel Sulphate—Inquiries are reaching the market in fair volume. Some producers are tied up with contracts while others have plenty of stocks to meet requirements. No price changes have taken place.

Potash, Caustic—Moderate increase in interest for liquid from textile mills could be noted last week but the dry forms continued to move slowly. Stocks of all forms were adequate to meet consuming requirements. No export sales were reported.

Potassium Carbonate—Market situation quiet with demand from the glass trade more spotty and not as active as in July. Prompt shipments were readily available at former price levels.

Potassium Chlorate — Shipments have been brought in line with contract schedules and demand and supply hit the even-beam stage during the week. Match factories bought substantial quantities during June and July. Perchlorate has re-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
Lead, ¼c. per lb.

Prices Reduced
Oxalic acid, ¼c. per lb.

Comparative Price Indexes
(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
222.4	222.4	222.4	218.1

Acids

Last week	Prev. week	Last month	Last year
121.8	122.0	122.0	122.4

(*For Current Prices see Page 9*)

mained temporarily neglected with plenty of stock and little demand.

Salt Cake—Buying interest slow with no shortage of stocks. May production was placed at 43,208 tons of commercial crude, compared with a revised total of 48,664 tons in the preceding month and 57,682 tons for May, 1948.

At present, natural sodium sulphate is produced in Canada only in Saskatchewan. In 1948 output was 150,293 short tons, valued at $2,089,000.

Soda Ash—Supply situation has re-remained easy wth stocks about as free as noted a month ago and the present outlook not too favorable for immediate improvement in consuming demand. Production of light ash in May amounted to 139,203 tons, compared with 163,552 tons in April and 174,459 tons in May, 1948. Production of dense ash in May was 103,-144 tons, against 107,737 tons in April and 125,350 tons in May last year. Output of natural was 17,565 tons in May, compared with 14,478 tons in the preceding month and 25,418 tons in May, 1948.

Soda, Caustic—No shortages of any forms at present and immediate shipments available with demand still down for home and export and business spotty. Production of liquid by the electrolytic process in May was 134,523 tons, including 19,835 tons of solid, compared with 128,933 tons of liquid including 21,385 tons of solid in April and 126,100 tons of liquid including 23,383 tons of solid in May, 1948. Output by the lime-soda process in May was 42,180 tons of liquid, including 12,486 tons of solid, against 46,-917 tons of liquid, including 15,810 tons of solid in the preceding month and 60,-165 tons of liquid including 19,109 tons of solid in May, 1948.

Sodium Bicarbonate — Stocks maintained at a level to meet all consuming requirements promptly. May production of refined was 11,808 tons, compared with 11,784 in April and 13,387 in May last year.

Sodium Chlorate—Buying interest has shown indications of slowing down although production is well sold through September. It looked as though the demand for weed-killer might extend into the first half of next month regardless of the fact that most of the season's requirements are expected to terminate by the end of this month. Market position firm and without suggestion of price change.

Sodium Chloroacetate, Technical—Production of this chemical on a commercial scale has now been started. Drums in carlots are priced at 20c. a pound and smaller quantities at 21c. to 22c., depending upon size of order. All prices are f.o.b. the works.

Sodium Nitrite — Meat-packers have been fairly active buyers so far this month while inquiry from other sources has continued relatively quiet. Production has kept stocks readily available for prompt shipment.

Sodium Phosphate — Production of monobasic was down to 811 tons in May, against 985 in April and 1,060 in May last year. Output of dibasic was 9,180 tons in May, compared with 9,844 in the preceding month and 5,756 in May, 1948. Production of tribasic in May was 6,236 tons, against 5,548 in April and 5,504 in May, 1948.

Sodium Silicate—Output was up in May with a total of 43,277 tons including soluble silicate glass, liquid and solid. April production was 32,579 tons and in May, 1948, output registered 33,588 tons.

Zinc Sulphate—Demand from the manufacturers of zinc stearate was more active last week. The movement for agriculture appeared to be about over with only occasional sales reported. The market maintained a steady position with former prices fully sustained and no shortage of stocks.

Acids

Acetic—Glacial has continued relatively quiet with prices unchanged. An improvement in consuming inquiry is expected to develop next month. Production of synthetic acetic acid in May was 27,887,015 pounds, compared with 27,829,-105 pounds in April and 37,144,452 pounds in May, 1948. The amount of recovered acid was at the lowest level for any of the first five months. The total registered 93,737,024 pounds, compared with a revised output of 95,793,394 pounds in the preceding month and 141,818,853 in May last year.

Hydrofluoric—Smaller production of anhydrous and technical was recorded in May with a total of 5,018,000 pounds, against 5,564,000 in April and 5,495,000 in May last year. Current demand has continued spotty with small lots commanding the most attention.

Muriatic—Buyers have not experienced difficulty in securing prompt shipments

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since the turn of the month. May production was lower at 37,824 tons, compared with a revised total of 40,267 tons in the preceding month and 38,349 tons in May last year.

Oxalic—Priced lower at 14¼c. per pound in barrels, carlots works and at 14½c. works or ex-warehouse for 10,000 pound lots. Smaller lots are listed at 15¼c. works and 15½c. ex-warehouse. Demand has slowed down to some extent while stocks have been increasing.

Sulphuric—Shipments of heavy seasonal dimensions are going forward but demand is not of a character to pinch supplies in this area. May gross production was higher with a total of 938,238 tons, including 222,168 by the chamber process and 716,070 by the contact process. The amount of fortified acid in May was 69,338 tons. Gross output in April was 908,599 tons and 931,788 tons were produced in May, 1948.

Non-Ferrous Metals

The supply department of the Norfolk Naval Shipyard, Portsmouth, Va., is offering for sale a variety of scrap, including 25,000 pounds of brass scrap, 19,450 pounds of zinc dross, and 46,575 pounds of zinc skimmings (catalog B-8.50; bids opened August 17). The supply office of the Naval Gun Factory, Washington, is offering a variety of scrap, including 40,000 pounds of mixed brass and bronze turnings (catalog B-9-50; bids opened August 11).

Copper—Consuming demand of steady dimensions featured the copper market last week with sales reported for both home and export. The market maintained a firm position without revealing any new price changes. Electrolytic was priced at 17⅝c. per pound delivered valley basis and the same price was named f.a.s. New York for export. Advices from Santiago, Chile stated that a threatened strike at one of the large producing plants had been averted.

Lead—Priced higher under the continuance of an active consuming demand. The market was established at 14¾c. per pound, New York which represents the sixth upward revision since early July. The battery industry was said to be the largest individual buyer.

Quicksilver—Market situation quiet. In some supply quarters it was stated that consuming interest had increased but was not followed by any significant expansion in sales. On round quantities, 100 flask lots, $78.00 was named with the range extending upward to $81.00 depending upon the seller and the quantity involved.

San Francisco.—No activity reported last week. Metal quoted from $80 to $81 per flask, f.o.b. this city.

Silver—No new price developments featured this market last week. Supply and demand were evenly balanced, the close being at 71½c. per ounce for silver bullion, New York.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Feb. 14, 1949—71½c.	Jan. 14, 1949—43½d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.

Tin—Office of Domestic Commerce has announced that production of refined tin in July from the government owned smelter was 2,910 tons, compared with 3,006 tons in the preceding month and a total for the first seven months of 21,389 tons, against 21,949 tons for the corresponding period in 1948.

The bulletin of the International Tin Study Group contains the following data regarding the production, consumption and stocks of tin over the whole world, during the first quarter of 1949:—production of tin concentrates, 36,900 tons; production of tin metal, 41,800 tons; world stocks on February 28, 1949, 132,000 tons; world consumption, 32,000 tons, and world tin-plate production, 1,084,000 tons.

The production of tin plate declined from 402,000 tons in March to 347,000 tons in April and 349,000 tons in May.

Zinc—Prime western zinc remained firm at 10c. per pound East St. Louis basis. Steel mills have taken satisfactory tonnages and so have the die casters. Inquiry from the brass mills has increased but so far no unusual business has been placed.

Nat. Distillers Chemical Publishes Sodium Booklet

National Distillers Chemical Corporation, New York, has published a new booklet on sodium, its reactions and industrial uses. The publication treats such topics as the history of sodium, handling and storage, properties, industrial applications and chemical reactions. Copies may be obtained from the company at 120 Broadway, New York 5.

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Water Pollution Abatement Manual Published by MCA

The Manufacturing Chemists Association has published a manual sheet entitled "Water Pollution Abatement Manual for Insoluble and Undissolved Substances," which contains sections on the effect on receiving waters, permissible concentrations, removal of solids from waste, sludge dihestion, sludge dewatering, sludge disposal and equipment sources. Copies of manual sheet W-2 may be obtained from the association at 246 Woodward building, Washington 5, D. C., at 20 cents each.

Tankcar Loading Data Issued

To fulfill the need for information on the proper type of approach platform which should be provided to load and unload tank cars safely, the Manufacturing Chemists' Association has published manual sheet TC-7, "Tank Car Loading and Unloading Platforms." Outlines definite recommendations regarding the type of approach platform which should be used by describing and illustrating types of platforms which are already in widespread use by chemical manufacturers and processors. Copies may be obtained at 20c. per copy from the Manufacturing Chemists' Association, 246 Woodward building, Washington 5, D. C.

Pennsalt Develops New Cleaner

The Pennsylvania Salt Manufacturing Company, Philadelphia, has developed a new cleaner for reverse current cleaning of zinc base die castings prior to electroplating. The new product will be marketed by Pennsalt's special chemicals division under the name "Cleaner Z-54".

Muller & Phipps Names McCormick

Muller & Phipps (Asia) Ltd., export representative, New York, has appointed William N. McCormick sales promotion manager. Mr. McCormick was formerly regional sales and advertising director for the Sydney Ross Company.

Interboro Chemical Moves

Interboro Chemical Company, New York, has moved its offices and warehouse from 32 Cliff street to new quarters at 548 Water street. The telephone number at the new location is Gramercy 3-3883.

Jones Again Honored By British Society

Dr. Loyd A. Jones, head of the physics department of the research laboratories of the Eastman Kodak Company, Rochester, N. Y., has been elected an honorary fellow of the Royal Photographic Society of Great Britain. He has cited for his "distinguished contributions to photography and its applications, particularly in the field of sensitometry." On two other occasions this year Dr. Jones has been honored by the society.

Eastman Kodak Advances Four

Eastman Kodak Company, Rochester, N. Y., has appointed Francis B. Thorne and John L. Patterson assistant superintendents of its chemical plant. In addition, Donald B. Kimball has been named general superintendent of the paper departments and John P. Helphrey jr., assistant general superintendent of the paper departments.

G.E. Transfers Sauer

Dr. Robert O. Sauer, formerly of the research laboratory of the General Electric Company, Schenectary, N. Y., has been appointed section engineer, silicone products engineering, in the chemical department of the company. Dr. Sauer's headquarters will be at the company's new silicone plant in Waterford, N. Y.

Trade Briefs

Harwick Standard Chemical Company has occupied its new plant at 60 South Seiberling avenue, Akron, Ohio.

William N. Hankins has been named general sales manager of the Kaylo division of Owens-Illinois Glass Company, with headquarters in Toledo, Ohio.

Shea Smith, market research manager of the Merrimac Division of Monsanto Chemical Company, St. Louis, Mo., has been elected secretary of the Boston chapter of the American Marketing Association.

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NPA Sets Program For Annual Meeting

The National Petroleum Association will hold its forty-seventh annual meeting at the Traymore hotel, Atlantic City, N. J., on September 14 to 16. General Sessions will be held in the afternoon on September 14 and 15, the annual banquet will take place in the evening on September 15, and the annual breakfast party will be held on September 16.

The September 14 afternoon program will open with an address by W. S. Zehrung, Pennzoil Company, president of the association. Conger Reynolds, Standard Oil Company of Indiana, will discuss the oil industry's public relations and the work of the association's oil industry information committee, and Alexander Fraser, president of the Shell Union Oil Corporation, will discuss the impacts of traffic congestion on the oil business.

In the morning on September 15 there will be group sessions, including a joint meeting of the department of manufacture and the department of standards and tests. At this session, Maj. Edgar D. Whitley, Armed Services Petroleum Board, Maj. Ray W. Whitson of the army, and Lt. Comm. Oliver H. Landua of the navy, will participate in an open forum devoted to research and recent developments in specifications for government purchases of petroleum products.

Transportation Problems Discussion

Also in the morning, the meeting of the department of traffic and transportation will feature a discussion period, led by Dr. John H. Frederick, former member of the house interstate commerce committee who now represents the Transportation Association of America. Harry S. Elkins, traffic attorney of the NPA, will speak on petroleum transportation problems.

The afternoon program will be devoted to problems presented by government-industry relations, and will feature talks by Robert E. Freer, former member of the Federal Trade Commission, who will discuss geographical pricing, the basing point problem and the implications of the Detroit oil jobber case, and by Charles M. Brooks, former associate general counsel of the National Labor Relations Board and currently labor relations attorney for the Texas Company, will speak on the government and labor relations.

Nelson to Retire From Gulf Oil Post

John E. Nelson, executive vice-president of the Gulf Oil Corporation and its subsidiary companies, will retire on September 1, after forty-two years with the organization. In addition to being executive vice-president, Mr. Nelson is a director; a member of the executive committee; a member and secretary of the finance committee; a member and chairman of the annuity and service award committees, and a member of various other fiscal and policy planning groups.

Detrex Assigns Pew

The Detrex Corporation, Detroit, Mich., has appointed George W. Pew head of its newly created process engineering department. In addition to handling engineering requirements of the company's factories other than product design, this department will investigate and make recommendations on operating methods and fabricating processes.

N.J. Standard Oil Names Lindroth Budget Director

John E. Lindroth, assistant secretary of Standard Oil Company (New Jersey), has been named budget director, effective August 16. He was also secretary of the company's executive committee and will be succeeded in these two positions by John O. Larson, assistant secretary of both the company and the executive committee. G. L. Burrill, formerly head of the budget department, is resigning to join Creole Petroleum Corporation, Venezuelan affiliate of Standard.

Shell Plans New Pipeline

The Shell Pipe Line Corporation is planning the construction of a ten inch pipeline from the Elk City oil field, Beckham County, Okla., to Cushing, Okla. The new line will have an initial capacity of 24,000 barrels per day, and will tie in at Cushing with the new twenty-two inch pipeline system which transports crude oil from Jal, N. M., to Wood River, Ill.

White Oils Data Available

A sixteen-page brochure on "Penn Drake" white oils and petrolatum has been published by Pennsylvania Refining Company and is now available. The brochure outlines the usage of the oils for pharmaceutical and cosmetic products, and the application of petrolatum for cosmetic and medicinal preparations. Free copies may be obtained from Pennsylvania Refining Company at Butler, Penn.; Cleveland 4, Ohio, or Edgewater, N. J.

Socony-Vacuum Appoints Wilcox as Coordinator

Socony-Vacuum Oil Company, New York, has appointed Fred H. Wilcox coordinator of producing activities in the United States and Canada. He is being transferred to his new duties in the company's New York office from the Magnolia Petroleum Company, Dallas, Tex., an affiliate organization. The company has also appointed Robert Siegel manager of the foreign producing department, and F. W. Bartlett general assistant to the director in charge of producing.

Trade Briefs

James K. Elliott has been awarded a two year scholarship financed by the east Texas chapter of the American Petroleum Institute production division.

Laban E. Harmon, Standard Oil Company of Indiana, has been elected chairman of the advistory committee of the Chicago chapter of the American Society of Corporate Secretaries.

Standard-Vacuum Sales Company has announced the appointment of M. D. Roehm as general manager at Batavia, Java. He was formerly Standard-Vacuum Oil Company's manager at New York for Southeast Asia.

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Petroleum Derivatives

The news of the week in this market was an advance of from five to ten cents a barrel in the price of No. 6 heavy fuel oil on the East Coast. Early in the week one producer announced that it was boosting its prices as a means of establishing a more normal relationship between primary fuel oil markets and East Coast markets. The action was followed by other producers and the increase, whether five or ten cents, depended on producer and terminal.

Otherwise, the market was in a quiet condition. The season was largely responsible for this but some sellers said that despite the time of year, they found business holding up fairly well. The paint industry was still operating on a reduced schedule and that was having its effect in bringing about a slowness in the market for aliphatics.

Business in blends was generally off, although it had been reported that in one quarter July sales looked better than June. Higher boilers also showed lack of any real strength as far as the demand was concerned.

Butane and propane continued to be found in good supply and there was a firmness to be noted in the price listings. A steady movement was noted for other lighter fractions, but it was of moderate volume.

Solvents and Diluents

Aromatic Solvents—Although this was normally regarded as a dull season by the trade, it was said in some quarters that demand was holding up fairly well. However, it could be said that in general the tone of the market was quiet, for many consumers were continuing to operate on Summer schedules. Stability still ruled the market for toluol and xylol and the general expectations were that there would be little or no change in this market before Fall. Supplies of petroleum aromatics, it was reported, continued at satisfactory levels in all areas. The postings on the sweet grades remained firm despite the fact that there had recently been decreases on low-gravity crudes in some sectors.

Steadiness also prevailed in the market for blends and higher boilers during the past week. Sales were not quite so high as they might have been, largely because of the vacation shutdowns in the paint industry. This was only a passing event, however, and producers were quick to point out that come the end of the Summer the buyers would probably return to the market for their usual materials. There were no difficulties being encountered as far as stocks were concerned.

Cleaners' Naphtha—Stocks of this material during the past week were reported sufficient to satisfy all normal orders but the interest that was being shown in the material was not characterized as much above fair. This was a general Summer condition and was not expected to show much variance before the end of the season. Price listings held at their previously established levels.

Lacquer Diluent—There continued to be an abundance of this material in all areas of the market during the past week and there were no reports of any changes being made in the price structure. Lacquer makers had laid off help for the Summer months and this was one of the principal causes of a sluggishness that had been noted in business during the immediate past.

Mineral Spirits—Supplies of this material were reported to be ample during the past week and were moving in a volume that was characterized as about moderate. Consumption was not what it would have been normally because of the seasonal closing in the paint industry. This was viewed as only a temporary condition, however. Price listings continued to hold at the previously established levels.

Rubber Solvents—Stocks of this material were continuing at ample levels during the past week but there was not a great deal of demand because of the reduction of operations in the consuming industry. There were no changes reported in the price structure of the material.

Stoddard Solvent—A lessened demand from the paint industry continued to have its effect on the movement of this material during the past week. Summer vacations had caused the requests for the material to drop off somewhat but the supplies of it were sufficient to satisfy normal orders. Pricewise, there were no changes reported during the period.

V. M. & P. Naphtha—Prices of this material continued to hold at steady levels during the past week and the supply was reported to be continuing in good quantity.

Lighter Fractions

Butane—Stocks of this material continued at good levels and producers were having no particular difficulty in filling orders, but the demand at this time of year was not particularly high. The reason for this was seasonal. Prices were reported to be holding at their previously established levels.

Heptane—Pricewise, there was nothing of note reported in the market for this material during the past week. Supplies of it were ample to fill any normal orders but the demand for it was on the light side, although the flow of the material was fairly steady.

Miscellaneous

Crude Oil—Total stocks of refined products amounted to 348,793,000 barrels on May 31, a gain of 7.9 million barrels during the month. The principal changes were a decline of 3.9 million barrels in stocks of finished gasoline and gains of 6.2 million barrels in distillate fuel oil stocks, of 3.9 million in residual fuel oil stocks, and 2.5 million barrels in kerosene stocks, according to the latest monthly petroleum report of the Bureau of Mines.

The price index for petroleum and petroleum products was, according to the Bureau of Labor Statistics, 110.7 for May compared with 113.3 for April and 122.1 for May, 1948. The total crude oil capacity reported by operating companies in this report was 6,108,000 barrels daily for May, indicating an operating ratio of 85.1 percent compared with 84.3 percent in April.

Fuel Oil—Prices of No. 6 heavy fuel oil were advanced from 5c. to 10c. per barrel on the East Coast during the past week, depending on the producer and the terminal point. The action was taken by one producer who said it was an effort to establish a more normal relationship between primary fuel oil markets and East Coast markets. Others followed the move and by week's end the schedules in general seemed pretty well settled, although it was possible that there might be a few minor adjustments yet to come.

Los Angeles Petroleum Market

With local paint manufacturing industry still in full production, the solvent and diluent market has remained good. Price increases of 4c. per gallon were reported by some elements of the market giving price ranges as follows:—Cleaning solvent—15.5c. to 19.5c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area; lacquer diluent—16.5c. to 20.5c. per gallon, ex-tax, f.o.b. Los Angeles; Stoddard Solvent—15.7c. to 19.5c. per gallon, f.o.b. Los Angeles.

Supplies of tall lighter fractions are good but very slow demand rendered the market dull. Propane quoted from 8.8c. to 9.3c. per gallon, tankcar, f.o.b. Los Angeles area basin. Butane listed at 9.3c. per gallon, tankcar, f.o.b. Los Angeles area basin.

The local trade reports a good supply of all grades of paraffin wax but very light demand during the past week. High melting point ASTM 140/147 carload loose slabs, f.o.b. shipper's refinery San Francisco Bay area, 6.95c. per pound; ASTM 146/148, 7.15c. per pound and ASTM 157/162, 7.6c. per pound. Tankcar prices posted at 6.6c. 6.8c. and 7.25c. respectively.

Market Trends

Prices Advanced

No. 6 heavy fuel oil, East Coast, 5c. to 10c. per bbl.

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 23 totaled 272,107,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 272,148,000 barrels for the preceding week, this represents a decrease of 41,000 barrels, comprising a decrease of 655,000 barrels in stocks of domestic crude and an increase of 614,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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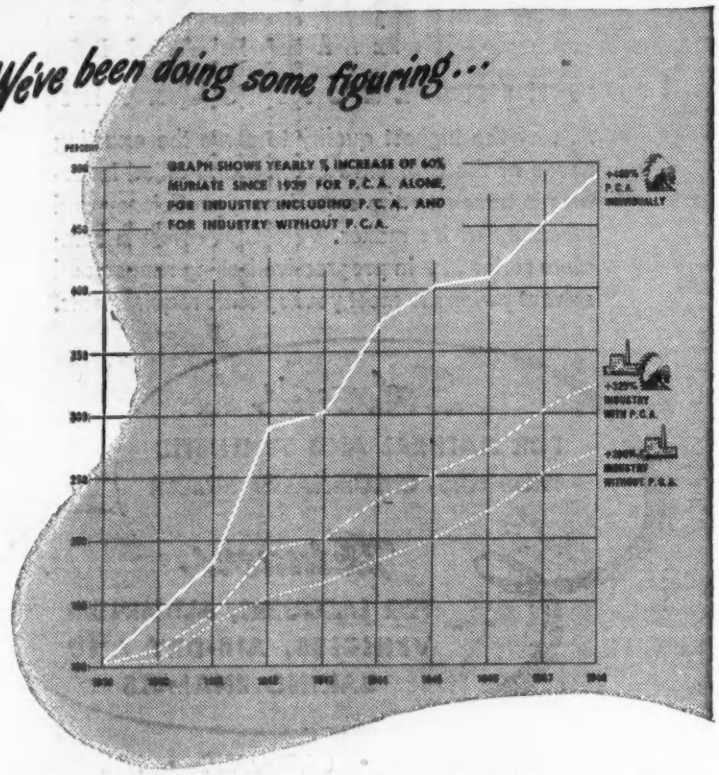
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Agricultural Chemicals

Hoof meal was advanced last week with sales at the highest price since March, 1948. Moderate buying and short stocks were responsible for the higher price. Stock-feed interests purchased dried blood and tankage although demand was not stiff enough to lift prices. Menhaden meal found a ready outlet at the former price range. Production of castor pomace has been resumed with shipments confined to contract consumers.

Coke-oven and converters' ammonium sulphate are moving at the same prices. A new producer of ammonium nitrate and nitrogen solutions will enter the market this Fall. Superphosphate shipments held a fair seasonal average but there is no shortage of stocks at the present time. Heavy deliveries of potash against contracts accounted for the week's movement. Sodium nitrate remained seasonally quiet.

Supplies of benzene hexachloride and DDT for prompt shipment have remained short with current demand exceeding the supply. According to the state entomologist of Montana, the grasshopper menace in that state and Wyoming has passed its peak. Stocks of lead arsenate have been about liquidated and supplies of calcium arsenate are exceedingly low. It was stated that the refusal of dealers and distributors to stock up with insecticides early in the season has made it difficult for producers to meet all requirements on time.

Production figures appearing below, unless otherwise designated, are from the Bureau of Mines, Bureau of the Census and the Chemical Division of the Tariff Commission.

Market Trends

Prices Advanced
Hoof meal 25c. per unit of ammonia.

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	76.4

(*For Current Prices see Page* 9)

Nitrogenates

Ammonium Sulphate—Production from coke-oven ammonia in May amounted to 147,064,376 pounds and 8,190,755 pounds from purchased synthetic ammonia. In April output from coke-oven ammonia was 145,779,815 pounds and from purchased synthetic ammonia 8,636,868 pounds. Total production from January 1 through May 31,1949, was 726,179,311 pounds from coke-oven ammonia and 42,274,536 pounds from purchased synthetic ammonia, compared with 666,666,500 pounds made from coke-oven ammonia and 22,690,900 pounds made from purchased synthetic ammonia for the corresponding period in 1948. Stocks on May 31 this year were 32,-900,957 pounds, against 26,964,648 on April 30 and 46,477,606 pounds on May 31, 1948.

Bone Meal—Supplies for prompt shipment have not shown any appreciable improvement since the turn of the month. Inquiry from the feed trade has continued active with stocks short and the market firm for both raw and steamed varieties.

Castor Pomace—Production has been resumed after the July shutdown. Shipments have been made to contract consumers but no additional offerings have reached the market although inquiry has increased.

Dried Blood—Prices have been sustained at the recent advance with stock-feed interests taking on stock. At New York $9.50 per unit of ammonia was named and $10 at Chicago.

Fish Meal—No further decline in prices for menhaden meal was noted last week. Feed interests have supported the market and production is finding a steady outlet.

Hoof Meal—Higher prices have been paid for this material in Chicago. Sales were reported at $7.50 per unit of ammonia.

Sodium Nitrate—Continued relatively quiet with seasonal sales at former price levels. Stocks have remained adequate to meet requirements promptly.

Tankage—Buyers representing the feed trade have continued to take this material at the late advance. At New York $10 per unit of ammonia was named and at Chicago $10.50.

Phosphates

Phosphate Rock—Shipments against contracts to acidulators have accounted for the major part of the week's movement. Deliveries have gone forward in seasonal volume with stocks adequate and most producers flush with schedules. No additional export inquiries materialized during the week.

Superphosphate—Department of Agriculture is asking for bids on estimated purchases of 50,000 tons of normal superphosphate and 20,000 tons of mixed fertilizer for shipment from periods extending from October, 1949, through May, 1950. Stocks at present are not short. It is stated that the United States requires from 8,000,000 to 9,000,000 tons a year, while the storage capacity is placed at 1,200,000 tons. When this storage limit is reached on account of delayed shipments, production stops. Output is said to be about seven times storage facilities.

Production of normal superphosphate in the United States amounted to approximately 818,500 short tons during the month of May, 1949, according to the Bureau of the Census, Department of Commerce. This production is about 7 percent less than that for April, 1949, and May, 1948. Shipments declined 28 percent compared with the previous month but were still 15 percent above a year ago. Stocks on hand were at about the same level at the beginning and end of the month, at 651,413 tons.

Production of concentrated superphosphate was 46,181 tons or 5 percent above April and 16 percent above May, 1948. Shipments declined 8 percent compared with figures of the previous month and stocks on hand were up 10 percent for the month, at 68,253 tons.

Output of wet-base goods declined 50 percent from the previous month's figure to 4,321 tons, but still remained 6 percent above the May, 1948, production figure. Shipments declined 74 percent compared to April figures and were 67 percent below the figures for the corresponding month of last year. Stocks on May 31 were 3,194 tons.

Potashes

Shipments of all grades are moving steadily to contract consumers with the total holding an increase over a year ago. Heavy production is being sustained with no unfavorable developments to interrupt the regular movement of shipments to mixers.

Los Angeles Fertilizer Market

Los Angeles.—Demand stronger this past week on organic materials with supplies tightening up. Prices advanced on blood meal, bone meal and tankage. Market continues slow on inorganic fertilizer materials which is normal for this period and no marked change expected until the latter part of next month. Ruling prices were:—Ammonia nitrate, $73.57 to $74.43 for Canadian material f.o.b. this city. Ammonia phosphate, $65.06 per ton for 16/20 grade f.o.b. this city and $89.56 per ton for 11/48 grade f.o.b. this city. Ammonia sulphate, $55 in bags f.o.b. this city. Canadian material $56.06 bagged f.o.b. this city. Blood meal, $8 per unit of ammonia at source. Bone meal, $72 for steamed 1/30 meal f.o.b. Bay Shore. Fish meal, $204-$210 per ton for 60 percent protein tuna f.o.b. this city; 65 percent California sardine meal continues nominal at $234 per ton f.o.b. this city. Nitrate of soda, $56 per ton in 100-pound bags f.o.b. Los Angeles Harbor. $51 per ton bulk. Potash muriate, 45½c. per unit bulk f.o.b. Trona basis. Potash sulphate, 95 to 96 percent K_2SO_4 79c. per unit f.o.b. Trona. Superphosphate, $21.20 to $22.04 in bulk f.o.b. Los Angeles Area. $2.50 extra for bags. Tankage, dry rendered, ground 50 percent protein $5 to $6 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Barbasco Root—Production of barbasco in Peru continued to decline in 1948 because of week demand and relatively low prices in the United States. Trade sources estimated output at 3,000 to 4,000 metric tons, dry-root equivalent, compared with an estimated peak of 6,000 tons in 1947.

Exports of dry roots in the period January-November, 1948, totaled 1,563 tons, and those of ground roots, 129 tons. These were substantial decreases from the 5,268 tons of dry roots and 323 tons of powder exported in the year 1947. The bulk of barbasco exports in 1948 went to the United States; small quantities were shipped to the Netherlands, United Kingdom and Belgium.

Crop conditions at the end of 1948 were regarded as favorable, but production in 1949 will depend almost entirely upon the strength of foreign demand, particularly in the United States, the largest customer.

Benzene Hexachloride—Production was substantially lower in May at

For Late Market Developments, See Page 4

pounds. This is the lowest monthly level since August, 1948, when output registered 650,005 pounds. The gamma isomer content of benzene hexachloride in May was 125,331 pounds. In the preceding month production of BHC was 1,223,111 pounds with a gamma isomer content of 176,983 pounds. Stocks short at present with market firm.

Calcium Arsenate—Output has run exceedingly low this year and is estimated to be about 10 percent of that for the first half of 1948. The low production is attributed to the shift to synthetic organic insecticides in the control of cotton insects. April exports amounted to 1,302,000 pounds, including 1,102,000 to Belgium and 200,000 to Colombia, the total was high for any month in 1949 and compares with 72,000 pounds shipped in March.

May production amounted to 3,399,000 pounds of commercial, compared with 1,159,000 in the preceding month and 1,515,000 in May, 1948.

2,4-d—May production was at the lowest level for any of the first five months. The total was 1,114,319 pounds, the lowest since September, 1948, when 1,555,500 pounds were made. April output was 1,932,458 pounds.

DDT—New low monthly level was established in May for the first five months of 1949. The total stood at 2,989,012 pounds, compared with 3,063,663 in April and 562,680 in May, 1948. Exports in April (100 percent basis) were 2,039,000 pounds, against 3,745,000 in the preceding month. The principal countries of destination in April were Brazil 488,000 pounds, Yugoslavia 220,000 pounds, Indonesia 210,000 pounds, Mexico 161,000, Greece 135,000 and Bulgaria 133,000 pounds. Stocks short at present with some producers two weeks behind on shipments.

Lead Arsenate—Production in May amounted to 711,000 pounds, compared with 1,627,000 in April and 3,127,000 in May, 1948. Exports in April were 20,000 pounds against 1,600 pounds in the preceding month. It was stated that producers have about liquidated their stocks for the 1949 season.

Nicotine Sulphate—Exports in April were 327,000 pounds, including 280,000 to Japan. The total was high for the first four months and almost double that of March.

Pyrethrum — Importations of pyrethrum flowers in April totaled 502,000 pounds, including 278,000 from Belgian Congo and 224,000 from British East Africa. April exports of pyrethrum extract amounted to 11,000 pounds, compared with 7,000 pounds in March.

Sulphur

Demand has been sustained at a satisfactory seasonal level for home consumption while export inquiry has continued active. Mine shipments are moving out steadily with stocks adequate to meet requirements and transportation facilities offering no problem at the present time.

Maine Fertilizer Parley Planned for August 16, 17

The annual Maine fertilizer conference, under the auspices of the National Fertilizer Association, the University of Maine and the Department of Agriculture, will be held at the Northeastland hotel, Presque Isle, Me., on August 16 and 17. The program for the meeting is as follows:

August 16

The afternoon session will hear the following discussions: "Land Use Problems of Potato Growers," by Prof. W. C. Libby, head of the department of agronomy, University of Maine; "Fertilizers for Aroostook Crops Other Than Pototaoes," by G. L. Terman, agronomist, Maine Agricultural Experiment Station; "Newer Develments in Insecticides," G. W. Simpson, entomologist, Maine Agricutural Experiment Station; "Newer Developments in Fungicides," by R. Bonde, plant pathologist, Maine Agricultural Experiment Station, and "Soil Testing and Fertilizer Recommendations for Potatoes," by Oscar L. Wyman, extension agronomist, University of Maine.

The principal address at the dinner meeting in the evening will be by E. S. Schultz, principal pathologist, Bureau of Plant Industry, Soils and Agricultural Engineering, USDA, who will discuss "Thirty Summers in Aroostook."

August 17

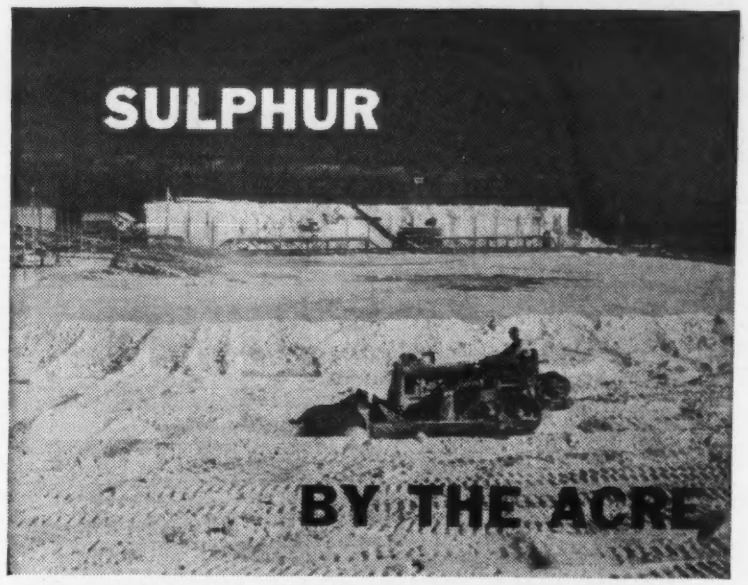
The morning session will be held at various farms in the area, and will feature discussions of: "Cropping Systems and Sources of Organic Materials as Affecting Use of Fertilizers," by Dr. Terman; "Weed Control and Top Killing," by C. E. Cunningham, assistant in agronomy, Aroostook Farm; "Farm Layout with Soil Conserving Program," by W. B. Oliver, state conservationist; "Tuber Size Control Project," by Prof. Libby, and "Fish Pond Fertilization," by Horace Higgins.

Lion Oil to Raise Output Of Fertilizer Materials

The Lion Oil Company, El Dorado, Ark., expects to complete major expansion projects at its chemical plant in El Dorado by September 1. The projects include a sulphuric acid plant, an ammonium sulphate plant and an ammonium nitrate drilling plant. The expansion of the plant's anhydrous ammonia capacity from 440 tons to 570 tons per day was completed in July.

Kerosene Household Sprays Caution Warning Recommended

The committee on toxicity and antidotes of the Association of Economic Poisons Control Officials has recommended the following "caution statement" on all kerosene type household sprays: "Caution—Harmful if swallowed. Keep out of reach of children."



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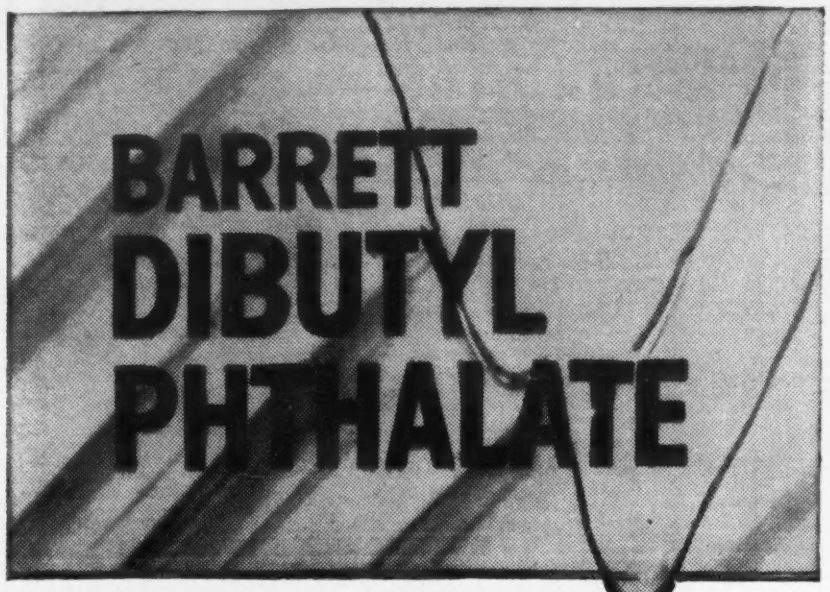

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Coaltar Chemicals

A generally quiet condition prevailed in the market for coaltar chemicals during the past week. Prices held to their former levels and there were no indications that there would be any revisions immediately. The weekly index figure was unchanged.

The demand was somewhat better than it was a short time back for benzol, toluol and xylol. Supplies were generally adequate to fill normal orders except for xylol, which was tight.

Phthalic anhydride was reported to be in a somewhat improved position. June showed some pickup in demand and July was reported to be a bit better. Still, sales of the material were far from their levels of a year ago. Creosote showed no particular change from the previous week, but in general there was a better tone to the market and some producers felt that there was a pickup due.

Except for a few specific items, the supply situation was reasonably easy and most normal orders could be taken care of with promptness. Demand on the whole was not what it was a year ago this time but there were signs of a better tone in several sections of the market.

The operations of steel companies having 94 percent of the producing capacity of the industry were scheduled at 81.3 percent during the past week. This was only a fraction below the level of the week before. It represented 1,498,800 tons of steel ingots and castings as compared to 1,502,500 tons scheduled to be made in the previous week, 1,697,900 tons one year ago and 1,281,210 tons for the average week of 1940, the highest prewar year, according to the American Iron and Steel Institute.

Basic Products

Benzol—There was some slight improvement noted in coke operations which was doing its small bit towards bolstering the supply of this material. Demand continued on the good side. There were no price changes reported and there were no indications that there might be any in the immediate future. There were no shortages reported in the supply of this material.

Production of motor grade benzol by coke-oven operators during the month of May was at its highest point in the first five months of the year. During that period the output amounted to 2,613,392 gallons, while the next highest month was April with 2,040,613 gallons reported. January was the lowest production month, for during that time the output was recorded at 647,949 gallons. The totals for the other two months were:—February, 713,645 gallons and March, 1,634,673 gallons. Production of all other grades by tar distillers and from petroleum sources reached a high point in January with an output of 1,020,321 gallons. The next highest month was March, with 933,324 gallons and May output was recorded at 928,150 gallons. The output for February was 924,620 and for April, 654,694 gallons. May output by coke-oven operators was lowest for the first five months of the year. During that period it was recorded at 11,220,088 gallons. The highest output amounted to 13,226,288 and came in March. February was next with 12,848,761 gallons and January followed with 12,743,849 gallons. April was next to the lowest month with 11,961,006 gallons.

Coaltar—In general, conditions in the market for this material were largely unchanged during the past week. There was an easier feeling as to the supply because of the postponement of the steel strike. Operations in the steel industry had recently been at a low point and during that period there was some concern as to just what effect this might have on the supply of coaltar, but since operations picked up somewhat in the last week or so there was again a better feeling on that score. As of last week there was a good enough supply of the material to satisfy normal ordering. Demand was about so-so but was not at the levels that were noted a year ago at this time. Pricewise there were no changes reported in the market and there were no indications from producers that they were planning any for the immediate future.

Creosote—Marketwise, there were no considerable changes reported for this material during the past week. Supply was still on the strong side as a result of good domestic production plus a considerable importation of the material. Demand was at reasonably good levels but still not at a high enough point to satisfy producers. Recently, however, it was said that there seemed to be an improved tone to the market. Partly responsible for this was the added buying of the railroads and the utilities which, it had been expected earlier in the year, were going to do nothing more than hand-to-mouth purchasing. They had come back to the market for a little more than that and that was helping conditions generally. Winter-cut timber at this time was also ready for preservative treatment and that was helping to boost sales. A few weeks back there were some adjustments noted in the price range of the material, but since then there were no changes reported in quotations and there were no signs that there would be any more in the immediate future.

Production figures on creosote oil indicate that May, the last month for which figures were available, was between the high and low months of the five-month period. Output during that period was reported at 11,478,268 gallons. The highest production month of the period was March when 11,543,542 gallons were reported. February was next with 11,507,589 gallons. April output was recorded at 11,347,733 gallons and the production for January was the lowest at 10,884,738 gallons. May production by coke-oven operators was also an average month with an output of 2,249,991 gallons. The highest production came in March and amounted to 2,317,385 gallons. The next highest month was January with a total output of 2,252,712 gallons. February showed 1,927,615 gallons and April was lowest with a total of 1,901,848 gallons.

Production of metaparacresol in May amounted to 235,268 pounds, which was the lowest amount reported in the first five months of the year. The highest production came in February and was reported to be 807,312. Output of orthometaparacresol was highest in January, with 867,697 pounds reported made while April was the lowest in the five-month period. Production in that month amounted to 347,825 pounds.

Cresylic Acid—There were no reports of any price revisions in petroleum cresylic acid during the past week. Coaltar material, following recent price adjustments, was quiet. Both the supply and demand positions of the material were continuing at about the same levels noted during recent weeks. Recently there had been a good deal of the imported material on the American market. It was offered at widely varying prices and was seen as one of the reasons for the recent reductions.

Naphthalene—Pricewise there were no developments reported in the market for this material during the past week. Since there had recently been revisions in the price of the industrial material, some quarters of the industry thought there might be similar revisions in the price of the household material about the end of the month. One of the largest producers of the material, however, said it had heard no such comments and was planning no changes at this time. At any rate, the big season for the sale of the household grade was over now and the sales that were being made were generally small.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
110.4	110.4	114.4	154.6

(*For Current Prices see Page* 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 16 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	999,679
Ammonia sulphate	lbs.	25,903,396
Benzol	gals.	3,263,745
Coaltar	gals.	12,102,441
Creosote oil	gals.	673,805
Naphthalene, crude	lbs.	1,600,287
Phenol	lbs.	189,507
Toluol	gals.	652,749
Xylol	gals.	147,394

For Late Market Developments, See Page 4

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Stocks of both crude and refined were at a good point at this time and there were no difficulties with the supply anticipated for at least the immediate future. It was thought in some quarters that there might be a sufficient acceleration in the textile industry to boost the sales of the crude material this Fall. Refined material generally was moving at a slower than usual pace but sales ranged over a longer period. Most buying had been done on the basis of immediate need and it was thought that there were no great stocks in the hands of users.

Tar distillers producing crude naphthalene solidifying at less than 79°C. reported an output of 8,209,370 pounds during May, the lowest monthly total for the first five months of the year. The highest output was recorded in January at 25,499,765 pounds. Production for the other months was:—February, 13,616,183 pounds; March, 11,014,810 pounds; April, 8,456,210 pounds. Production of the refied solidifying at 79°C. and over was also at its lowest in May. In that month the output was reported to be 4,972,831 pounds, while in January, the highest month, it was 7,225,039 pounds. Production for the other months was:—February, 7,199,771 pounds; March, 6,321,866 pounds; April, 6,691,671 pounds.

Coke oven operators, producing the crude solidifying at less than 79°C. hit its low of the five months in May with an output of 6,890,966 pounds. January was high with 8,979,031 pounds. The output for the other months was:—February, 8,202,635 pounds; March, 8,846,674 pounds; April, 7,706,438 pounds.

Phenol—What the industry in general was looking for was a pickup in the resin, plastics and adhesive industries in the Fall. Should that come about, it was thought that there might be a greater demand for this material. Supplies were sufficient to satisfy the market, but the demand was reported to be still on the slow side. Pricewise, there were no changes reported and there were no indications from producers that they were planning any for the immediate future.

Pyridin — No particular changes were noted in the market for this material last week. Pharmaceutical continued tight and in strong demand, while the denaturing grade was easier on demand and stronger on supply.

Solvent Naphtha—The supply and demand of this material were reported to be generally pretty well balanced during the past week, a condition that had prevailed for some time. There were no revisions made in the price schedules and there were no indications from producers that they were planning any for the immediate future.

Toluol—Prices were still holding at old levels on this material and there were no indications that there would be any immediate revisions. Demand was still at good levels, as it had been in the recent past and showed no signs of slowing up. Supplies were at reasonably good levels but were being taken up quickly and there was none of the material backing up on the market.

Toluol produced by coke-oven operators during May, the last month for which figures are available, amounted to 2,497,671 gallons. Production figures for the other months are:—January, 2,540,306 gallons; February, 2,445,520 gallons, March, 2,621,221 gallons; April, 2,520,888 gallons. The output from all other sources was at its highest during the month of May for during that time production was recorded at 4,815,042 gallons. Output for the other months was:—January, 3,978,468 gallons; February, 4,342,796 gallons; March, 4,278,867 gallons; April, 3,281,370 gallons.

Xylol—Coaltar material was still in a tight supply position and what there was of it was being taken up quickly. There was some slight reduction in production as a result of the recent falling off in the steel industry, but that condition should soon be rectified with steel apparently on the way back Prices were unchanged and there were no indications of any coming revisions.

Crude xylol, produced from coaltar and from petroleum, amounted to 4,924,885 gallons during the month of May. This was the highest recorded output in the first five months of the year. Output for the other months was:—January, 4,812,933; February, 4,201,276; March, 4,401,447; April, 3,925,331 gallons.

Intermediates

Acid, Benzoic—The technical material was reported unchanged in price during the past week and the supply and demand picture was said to be approximately balanced.

Acid, Betaoxynaphthoic—Demand for this material during the period under review was about what it had been in re-

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cent weeks. Supplies were sufficient to meet normal ordering. There were no changes reported in price and none were anticipated for the immediate future.

Acid, Salicylic—Supplies of the technical during the past week were sufficient to meet the demand, although there was not an especially heavy request for the material. Prices remained unchanged.

Benzaldehyde—Pricewise, this material was reported to be unchanged during the past week and there were no indications that there would be any changes in the immediate future. The situation regarding supply and demand was reported to be about balanced.

Phthalic Anhydride—A somewhat better tone was noted in this market, although demand was still not what is was a year ago. It was said that June was an improved month and that July even topped it, despite the fact that a number of plants were shut down. Prices were holding at their recently established levels.

N.E. Chemical Club Plans Baseball Party

The Chemical Club of New England will hold a baseball party for members and guests in Fenway Park, Boston, Aug. 11. The club has reserved 250 seats for the Red Sox-New York Yankees game. Following the game there will be a dinner at the Somerset hotel with a talk by Tom Dowd, traveling secretary of the Red Sox. Handling plans for the events are Thornton C. Jesdale, Ed Richardson and Gordon Mulligan.

Yugoslavia, Pakistan in Trade Pact

The governments of Yugoslavia and Pakistan have signed a trade agreement calling for the exportation from Yugoslavia to Pakistan of 500 metric tons of calcium carbide, 200 tons of caustic soda and thirty tons of zinc white during the one-year life of the pact. Pakistan will send Yugoslavia an undetermined amount of rosin.

Trade Briefs

Dr. Helmut Wakeham has been named section head of the Princeton laboratories of the Textile Research Institute.

Creosote exported from the United Kingdom during March totaled 4,049,072 imperial gallons, compared with 417,869 gallons in February.

Heavy tar oil exports by the United Kingdom decreased sharply in the early part of the year as compared to the similar period last year, according to the Board of Trade. This did not apply to creosote, however.

Robert L. Huffines, jr., president of Burlington Mills Corporation, New York, and Charles W. Carvin, President of Charles W. Carvin Company, have been elected to the board of trustees of the Philadelphia Textile Institute Foundation.

Koppers Issues Data On Nonyl Phenol Uses

Koppers Company, Pittsburgh, has published a technical bulletin describing the properties, chemical reactions and uses of nonyl phenol. The compound is currently being produced in commercial quantities at the company's plant in Oil City, Pa.

It is described as a slightly viscous light yellow liquid which is miscible with all common organic solvents but is only slightly soluble in water and in dilute solutions of alkalis. It is said to be useful for the production of surface active agents, lubricating oil additives, oil soluble phenolic type resins, corrosion inhibitors, rubber chemicals, plasticizers and insecticides.

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Textile and Leather Chemicals

While trading in leather and textile chemicals continued spotty, consuming inquiry was reported more active and the volume of sales showed moderate gains last week. Consumers were still confined demand for immediate to 30-day requirements. The only change in prices was the decline of 2 cents per pound in edible egg albumen. Prices index declined to 311.1, against 312.8, the week previous and 382.2 for the same time last year.

Demand for corn dextrin and starch was improved due to the extension of the price guarantee against decline until August 15. Prices of these materials were steady. Potato starch remained firm. Offers from producers were maintained at the recent advance. New production was expected to start about October 1. Tight supply condition still existed in low grade tapioca starch, while other grades have been replenished by liberal arrivals from Brazil.

The tanning materials market continued in the doldrums. Little improvement is expected until the Fall months. Tanners remained out of the market and the importation of tanning materials was said in some quarters to be the lowest in past thirty years.

The firmness shown in the world's wool markets at the close of the old season, together with the higher reserve prices next season for Dominion merino wool announced for the 1949-50 wool season, which gets well under way in September, will open as high or possibly slightly higher than recent closings, according to the Bureau of Foreign Agricultural relations. The first official estimates from Australia of the 1949-50 wool crop places shorn wool at 3,430,000 bales equivalent to 1,029,000,000 pounds. This is an increase of nearly 7 percent in the size of the clip this season over that of the 1948-49 season. Adjusting for pulled wool and other wool not shorn, the total output for the 1949-50 season is now expected to exceed 1,100,000,000 pounds.

Chemicals

Acetic Anhydride—Consuming demand was inactive. Users were reported working off inventories. Market was unchanged and steady. Production totaled 39,774,520 pounds in May, against 39,459,493 pounds, in April and 66,519,676 pounds during January, according to the Tariff Commission.

Bichromates—Business made moderate gains last month over June. Withdrawals against contracts was more active and the volume of new business of late continued to improve. High cost of materials kept quotations steady at prevailing levels. Export demand was light and spasmodic. Production of sodium bichromate and chromate was indicated by the Census Bureau at 5,286 short tons in May, against 7,105 tons in April and 7,962 tons during May last year.

Sulphonated Oils — Although demand was limited to small lots, sulphonated tallow was firmer with the higher cost of this material. Castor oil was quiet and maintained at unchanged levels.

Sizing Materials

Corn Dextrin—Demand was improved for prompt delivery as a result of the extension of the price guarantee against decline until August 15. Prices were steady and unchanged for all grades.

Corn Starch—Moderate quantities were taken by consumers for immediate delivery during the week. Quotations were unchanged and the guarantee against price decline was extended until August 15. Market was steady and reflected the firmness of cash corn. Visible corn supply was further cut 1,650,000 bushels for the week ended July 30 to 5,059,000 bushels, compared with 1,885,000 bushels for the corresponding week last year.

Egg Albumen—Prices continued unsettled and were off 2c. per pound for moderate quantities. Prices ranged from $2.18 to $2.25 per pound, depending upon quantity. Consuming continued slow. Prices for the technical grade covered a wide range and depended upon quality. Good grades were held at $1.10 to $1.15 per pound, while poor quality was much cheaper. Production of liquid egg in June totaled 78,720,000 pounds, compared with 77,941,000 pounds in June last year, the Bureau of Agricultural Economics reported. Quantities used for freezing, drying and immediate consumption during the month were about the same as in June a year ago. Dried egg production during June totaled 7,640,000 pounds, compared with 9,082,000 pounds in the same month last year. Smaller quantities were produced from frozen eggs than a year ago. This accounts for the decrease in total dried compared with June last year. Production in June consisted of 6,919,000 pounds of dried whole eggs, 172,000 pounds of dried albumen and 549,000 pounds of dried yolk. Dried egg production from January through June totaled 52,070,000 pounds, compared with 21,291,000 pounds during the same period last year. Purchase of dried whole egg by the Department of Agriculture from January through July 22, 1949, for price support purposes totaled 54,930,104 pounds.

Egg Yolk — This market was further strengthened by the paucity of available supplies on spot and at producing points. Holders of small stocks limited sales to regular customers. Prices were more or less nominal at $1.22 to $1.27 per pound as to quantity and seller. Some business was reported at $1.30 for a small quantity. Production of yolk was indicated at 549,000 pounds in June compared with 689,000 pounds for the same time last year.

Potato Starch—Consuming inquiry has improved, though trading was still restricted to small lots for prompt delivery. Market was firm. Offerings from producers were light and well held. Carlots were quoted at 5.95c. per pound, New York basis. Supplies on the spot were held at 7c. to 7¼c. per pound, ex warehouse and in steady demand. A house agricultural subcommittee last week recommended abolition of mandatory support for potatoes, following the request of the National Potato Council that no marketing quotas be imposed to prevent surplus market conditions in 1950. If the whole agricultural committee in the house approves the subcommittee's proposal it will go to a senate-house conference.

Sago Flour—Demand was fairly active for small lots for spot delivery. Prices were unchanged at 6.35 per pound, ex-warehouse. Nearby arrivals were quoted at 6c. per pound, exdock. Shipments from Singapore were firmer at 5.65c. per pound, exdock.

Tapioca Flour—Tight supply condition still exist for low grade on the spot. Business was reported at 7c. per pound, exdock. High grade was quoted at 9¾c. to 10c. per pound and medium at 8½c. to 9c., same basis. Imports were quite heavy totaling 21,900 bags at New York last week, for delivery against former contracts.

Tanning Materials

Cutch—This market was quiet, but steady. Offerings for shipment from primary centers were light and were quoted at 8½c. per pound, exdock.

Divi Divi—Inquiry for replacements was slow. Supplies were offered at $68 per ton, exdock New York. Business of late has been slow.

Mangrove Bark—Offers for shipment from South America were still limited. Tanners interest in replacements was fairly active. Prices ranged from $65 to $68 per ton, exdock, depending upon tanning content. African bark was unavailable.

Myrobalans—Buying interest was inactive. Offers for shipment were maintained at current quotations. Trading was quiet.

Quebracho Extract—There was no snap to consuming demand, which continued light and spasmodic. Prices at primary centers were unchanged, though offerings for shipment were readily available. Arrivals totaled 1,200 bags at New York last week.

Wattle—New business was quiet. Recent arrivals were booked several months ago. Imports of bark totaled 7,975 bales at New York last week. Shipments of bark and extract were quotably unchanged at primary markets, with recent trading reported at slightly lower levels on firm bids.

Market Trends

Prices Advanced
None

Prices Reduced
Egg albumen, 2c. per lb.

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
311.1	312.8	317.4	382.2

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Of particular interest in this market last week was the price developments in penicillin salts, following the previous July 11 declines. These price announcements in which bulk salts of calcium, sodium, and procaine were reduced ½ cent per 100,000 units and the potassium crystalline salt 1¼ cents, were made retroactive to July 14. Unlabeled bulk vials to distributers were reduced accordingly. Codliver oil was reduced 20 cents per gallon on spot material, as the result of an announcement of reductions on Norwegian shipments amounting to $8 to $10 per barrel and due to arrive here in September. Some further reduction was expected after September 1. August 1 declines on amphetamine salts ranged from $3 to $7 per pound depending upon the salt and its optical rotation and basicity. Sebacic acid was down 5 cents per pound as of August 1. Menthol was weaker, being off 5 cents per pound. Caffeine declined sharply. Podophyllin was down $1.80 per pound. Brucine alkaloid and sulphate advanced 5 cents per ounce. Butyl aldehyde was reduced 2c. per pound. The index declined 0.8 point becoming 263.2.

The price reduction in purified sebacic acid was promptly reflected in the various plasticizers made from it. The penicillin market has for a long time been highly competitive, although the various salts move in a steady large volume under good demand. A condition of overproduction has characterized the market in recent months leading to an acutely competitive condition in which prices have been repeatedly reduced to a point where profits are said to be near the vanishing point. The reason for the retroactive price announcements of last week, lay in the lowering of some quotations below the general level established in the general price reductions of July 11.

Codliver oil buyers had for sometime been expecting the current price break, and accordingly had held off purchases, with the result that consumer inventories were said to now be at a minimum. Purchases for the bottling season which begins this month, will accordingly have the benefit of the new lower price schedules. Back of the price reduction lay the accumulation of Norwegian stocks as a result of less European buying because of the currency difficulties and the curtailment of non-vitamin processing of codliver oil in favor of other oils which have become lower in cost.

The various ethanolamines were firm in price and readily available. Alcohol continued to hold to its July 1 level of prices, and ester solvents were steady at there recently established low prices.

Acid Sebacic—Last week the previously reported lower price schedule became effective in which prices were reduced 5c. per pound. The new price in drum carlots for purified material became 47c. per pound, and in less than carlots 49c. to 53c. per pound depending upon quantity. These price reductions were promptly reflected in its derivative plastizers.

Alcohol—This material was moving in quantities better than had been expected for this month, under current market conditions. Prices were holding firmly to levels established at the beginning of the third quarter.

The Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on August 3 released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of June, 1949, in comparison with June, 1948:—

Production

	Proof gallons	
	1949	1948
Ethyl	31,796,347	27,667,845
*Completely denatured	75,671	1,417,404
*Specially denatured	16,483,602	11,555,274

Withdrawals

	Wine gallons	
	1949	1948
†Ethyl, tax paid	3,039,766	2,933,127
tax-free	30,860,068	23,184,954
*Completely denatured	77,627	1,378,582
*Specially denatured	14,339,576	11,759,631

Stocks

	Gallons	
	1949	1948
†Ethyl	51,015,384	38,273,358
*Completely denatured	105,083	226,077
*Specially denatured	8,640,565	846,582

* Wine gallons. † Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in June of 1949 and 1948, were as follows:—

	Pounds	
	1949	1948
Corn and corn products	6,354,991	10,414,274
Rye and rye products	2,575	3,870
Malt and malt products	501,534	3,986,990
Wheat and wheat products	82,804	75
Sorghum grain and sorghum grain products	.....	7,152,375
Total grain	6,941,904	21,557,584
Potatoes & potato products		94,803,932
Ethylene gas	4,581,664	
Other materials	232,120	185,150
	Wine gallons	
	1949	1948
Molasses	16,762,786	13,731,715
Ethyl sulphate	11,454,598	9,184,606
Sulphate liquors	11,222,100	23,047,000
Other materials	1,788,814	1,262,949
†Products used in redistillation	1,878,546	1,987,245

† Proof gallons.

Market Trends

Prices Advanced

Brucine alkaloid, 5c. oz.
sulphate, 5c. oz.
Zinc Oxide, USP, 1c. per lb.

Prices Reduced

Acid, sebacic, purified, 5c. per lb.
Amphetamine hydrochloride, dextro, dibasic, $5 per lb.
monobasic, $7 per lb.
dextro-laevo, $4 per lb.
phosphate, dextro, dibasic, $5 per lb.
dextro-laevo, dibasic and monobasic, $3 per lb.
Butyl aldehyde, 2c. per lb.
Caffeine, cryst., USP, 95c. per lb.
anhydrous, USP, $1 per lb.
citrated, USP, 40c. per lb.
Codliver oil, USP, 20c. per gal.
Menthol, 5c. per lb.
Penicillin, bulk, amorphous calcium, ½c. per 100,000 units.
sodium, ½c. per 100,000 units.
crystalline, potassium, 1¼c. per 100,000 units.
procaine, ½c. per 100,000 units.
sodium, ½c. per 100,000 units.
Podophyllin, $1.80 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
263.2	264.0	262.8	259.8

(For Current Prices see Page 9)

Amphetamine Salts—Price reductions as announced in the previous issue became effective August 1. Supplies were said to be ample to meet current needs. Consumption was estimated to run around 30,000 pounds per year. As prices are reduced by virtue of economies effected in production, an expanded usage was expected.

Argols—There was nothing new to report in this market last week, other than the arrival of 1,957 bags of argols at American ports.

Benzaldehyde—This material maintained its usual steady price position. Supplies were reported as abundant, and demand as moderate. The NF grade in drums was quoted at 68 cents per pound, and the technical material at 45 cents.

Brucine—Prices on the alkaloid and on the sulphate were advanced 5c. per ounce last week.

Butyl Aldehyde—This material following the previous reduction in alcohol, was reduced 2c. per pound, bringing the quotation in tankcar quantities to 16c.

Caffeine — A sharp reduction in the price of this item developed last week, in which the anhydrous alkaloid was reduced $1 per pound, the hydrous crystalline material 95c. per pound, and citrated caffeine 40c. per pound. No price change had as yet been effected on the hydrobromide, but it was under consideration. The new price schedule on caffeine materials in lots of 100 pounds or more was $4 per pound for the anhydrous, $3.80 for the hydrous, and $2.60 for the citrated material.

Castor Oil—Firm prices prevailed in this market last week. Beans were still listed nominally at $103 per long ton.

Arrivals of beans last week amounted to 6,754 bags, equivalent to 1,013,100 pounds, compared with 37,553 bags or 5,632,950 pounds the previous week, and 44,744 bags or 6,711,600 pounds during the corresponding week of last year.

Total arrivals since January 1 of this year amounted to 1,015,108 bags, equivalent to 152,266,200 pounds, compared with 780,868 bags or 117,230,200 pounds during the corresponding period of 1948.

Chloroform—This material was firm in price and in quite ample supply. Technical material in tankcars was quoted at 16 cents per pound in drums, 20 cents in drum carlots, and 22 cents in less than carlot drum quantities. Demand was described as moderate.

Codliver Oil—A price reduction of 20 cents per gallon on U.S.P. material was effected early last week on spot purchases. This was the result of an announcement by Norway of a price reduction amounting to from $8 to $10 per drum, and the actual price reduction at

For Late Market Developments, See Page 4

the source will affect September and post September deliveries to this country. However, in view of this price announcement, buyers were inclined to stop purchases immediately and this attitude led to the immediately effective reductions on spot material.

The codliver oil market had weakened in demand very appreciably over recent weeks, with virtually no trading being done. Buyers had expected this price break and were awaiting developments.

Meanwhile, consumers were operating on inventories, and it was estimated that current inventory levels have been reduced to a minimum. In this regard the price break comes at just the right time, because bottlers start packaging material around mid-August. It was reported that, so far as current supplies are concerned, there appeared to be plenty of oil available generally, and the shortage that existed some months ago had vanished. This was due in part to the decreased demand in Europe because of currency difficulties, and also because in that area the diversion of codliver oil into processes converting it into other type fatty food materials had been largely curtailed in favor of cheaper oils.

Following actual arrivals of the lower cost shipments from Norway, some further price reduction was likely to develop in the domestic market.

The Norwegian export price of medicinal codliver oil in April, 1949, was $67.50 per 30-gallon drum, c.i.f. east coast of the United States. Last year's price of $73.50 was increased on July 12, 1948, to $77, and on January 20, 1949, was reduced to the April level. The Government export tax on this price is said to be about $10 per drum.

In April, 1949, the government-fixed price to the producer of codliver oil was 210 kroner or $42.47 per barrel of 107 kilograms, f.o.b. Lofoten district and 205 kroner or $41.46 for the Finnmark district.

Exceedingly bad weather had a serious effect on codfishing at the beginning of the 1949 season. It is reported that the catch for the first three months of the season was about 12,000 tons less than that during the same period last year (1948), and according to the Directorate of Fisheries, the outlook for the remainder of the cod fishing season is not promising.

It is anticipated that there will be fewer cod along the coast of Norway and efforts are being made to extend the fishing further afield, principally in the vicinity of Greenland. It has been decided to purchase and equip additional trawlers and larger fishing boats. The increased use of trawlers was opposed by many as being uneconomic and a danger to the schools of cod by the indiscriminate catching of all types and sizes, thereby possibly depleting the supply. Experiments which have been conducted in the Lofotens with a new type of drag net, however, show promising results. Since 1947 the Government has marked fish and reports made in 1947 and 1948 are being received, chiefly from the Lofoten district. It is hoped to follow the movements of the fish and so increase future fishing possibilities.

A number of expeditions were sent out by the Research Department of the Norwegian Bureau of Fisheries to investigate fishing in the North Atlantic area. Plans included dispatching a research vessel to the ocean between the Norwegian mainland and Spitsbergen and off West Greenland.

Diethanolamine—This material was in good supply under a firm price structure in which tankcars were quoted at 25 cents per pound, drum carlots 26½ cents, and less than carlot drum quantities 27½ cents.

Iron-Ammonium Citrate—Ample quantities of this material were available against which there was reported a limited to moderate demand. The USP brown granular material and the NF green granular material were both priced at the same level. Fifty pound drums were listed at 55 cents per pound, and ranged upward to 58 cents in 25-pound single drums.

Menthol—There was little trading in this item last week. Prices remained high, but there was a slight softening tendency in the market as spot material eased by 5 cents per pound. Abundant stocks were reportedly being held in this country mostly as consumer inventories.

Monoethanolamine—This material was still priced at 25½ cents per pound in tankcars, 27 cents in drum carlots, and 28 cents in less than carlot drum lots. These quotations were unchanged from levels which have prevailed over recent months. There was no expected change likely to develop in the immediate future. Supplies were generally considered ade-

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quate in view of the currently moderate demand.

Penicillin—The price adjustments in bulk penicillin price schedules which were announced and became effective July 11, were not final, it developed last week. Further downward price movements were made late the previous week and early this week. These latter declines which were just recently announced were made retroactive to July 14, and were essentially part of the original July price movement in bulk penicillin prices.

The latest declines amounted to ½ cent per 100,000 units on calcium amorphous and on sodium and procaine crystalline material. Potassium crystalline material was reduced 1¼ cents per 100,00 units. Vials of distributors unlabeled material were reduced accordingly, and varied from 1 to 6½ cents per vial depending upon the salt and the vial quantity.

The revised price schedule on penicillin salts which was announced on July 11 by some producers was followed by more drastic reductions on July 14 by other producers. This in turn was followed by the readjustment of price schedules by major producers to the lower level established in the market. Penicillin is a highly competitive item, and the pressure of competition tends to promptly equalize prices in the industry. Hence the retroactive aspect of current price announcements.

Calcium amorphous penicillin prices range from 4 cents per 100,000 units in shipments of 25 billion units, and varied as to quantity purchased up to 5¼ cents per 100,000 units for shipments of 500'-000,000 units or less.

Potassium crystalline penicillin ranged from 4½ cents per 100,000 units for shipments of 25 billion units, and varied as to quantity up to 5¾ cents per 100,000 units for shipments of 500,000,000 units or less.

Sodium crystalline and procaine crystalline penicillin were identically priced with 25 billion unit shipments quoted at 5¼ cents per 100,000 units, and ranged as to quantity up to 6½ cents for lots of 500,000,000 units.

Perchlorethylene—This chlorinated solvent was reported as in ample supply in a market where demand was holding steady at levels significantly below those of a year ago. The price pattern was generally uniform between different producers for zones 1, 2 and 3. In zone 4 some producers were quoting the same price as for zone 3, while other producers were currently quoting ½ cent under zone 3. Some new plants were due to soon come into production, but it was generally felt that the market was such that the additional production would be absorbed without any significant adverse affect on the market.

Podophyllin—By virtue of lower mandrake root costs, prices on this item declined sharply by $1.80 per pound. Drum quantities which had formerly been quoted at $14.25 per pound were reduced to $12.45 per pound.

Riboflavin—This material has for a long time maintained a steady price position of $125 per kilo for the USP grade, and there was no indication that there would be any change in the immediate future. Demand was relatively steady, and supplies plentiful.

Rochelle Salt—Demand for the USP material was described in the industry as relatively quiet, while the supply position was abundant. The price structure which has prevailed over recent months, continued to hold firm last week, and there

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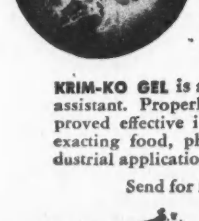
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was no indication of any change likely to develop in the immediate future.

Sodium Benzoate—Demand for both the technical and the USP material maintained a sustained strong seasonal demand. Supplies were abundant, however, and prompt shipment was available on substantial quantities. Prices maintained a firm structure in which lots of 100 pounds or over were quoted at 39 cents per pound for the technical material and 46 cents for the USP grade.

Sodium Bromide—The USP granular material in 500-pound barrel quantities was quoted at 33 cents per pound, with 100-pound drums listed at 34 cents. Smaller lots varied as to quantity from 36 to 37 cents per pound. Supplies were plentiful, and demand was such that it could not be described as any better than slow. This applied to most of the alkali bromides.

Sodium Iodide—This USP item was in little demand, and abundantly available. Prices were firm at $2.72 per pound for 25 pound lots, and varied as to quantity up to $2.91 for single pound bottles.

Strontium Bromide—In 100 pound drums, this NF material was quoted at 62c. per pound, unchanged from the level prevailing in the market over many months. Demand for the item was limited and under existing market conditions the price structure was felt likely to be maintained.

Sulphur—The price on USP flowers was firm at $3.85 per 100 pounds in carlots and in less than carlot quantities prices varied as to quantity from $4.20 to $4.60. Meanwhile the USP precipitated material in limited usage was quoted in single drum quantities at 27 to 29 cents per pound. Pharmaceutical use of the latter was said to be still fair in veterinary topical medicinals.

Trichlorethylene—This solvent, cleaning and degreasing agent was reportedly in good supply from which reasonably prompt shipment was available. Prices were firm and unchanged from previous levels. The price pattern in the industry was fairly uniform for zones 1, 2, and 3. In zone 4 some producers were quoting the same as zone 3, while other producers were quoting ½c. below the zone 3 prices. Some new producing plants were coming into production soon, but it was felt that the market was big enough to absorb the additional output without disrupting the market.

Triethanolamine—This item was in good supply under a firm price position unchanged in recent months. Current quotations were expected to hold in which tankcars were quoted at 21½c per pound, drum carlots at 23c., less than carlots at 24c.

Zinc Oxide—The effective price on USP zinc oxide, following the August 1 rise of 1c. per pound, was 14¼c. in carlot bags and 14½c. in less than carlot bag quantities. Supplies were reported as ample against a moderate demand. The August 1 upward price movement was a reflection of the strengthening market on special high grade zinc slabs.

King Drug Co. Elects Starling New President

The W. H. King Drug Company, Raleigh, N. C., has elected Homer C. Starling president, to succeed the late B. Frank Page. Mr. Starling has been succeeded as treasurer of the organization by Mr. B. Frank Page. He was also named president of the Peabody Drug Company, Durham, N. C.; King Drug Company, Florence, S. C., and the Carolina Surgical Supply Company, Raleigh, affiliates of the W. H. King Drug Company.

Illinois Tech Promotes Hayes

Dr. Francis N. Hayes, instructor in chemistry at Illinois Institute of Technology, has been promoted to the rank of assistant professor. The promotion is effective September 1. As the recipient of a $5,940 grant awarded in June by the National Cancer Institute, Dr. Hayes is now directing research at Illinois Tech to find a possible cure for cancer.

Vitarine Publishes Catalog

The Vitarine Company, manufacturing chemist, New York, has published a new catalog listing its line of pharmaceuticals, vitamins and injectables. The publication also illustrates some of the more important items in the line and gives details of the company's plant operations.

Kiefer Describes Bottle Machines

The Karl Kiefer Machine Company, Cincinnati, Ohio, has published a brochure illustrating its line of bottle cleaners, filling machines and cappers. The brochure also describes and illustrates how the machines may be combined into a synchronized line to clean, fill and cap bottles.

Sharp & Dohme Names Carlson to New Post

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has appointed John G. Carlson sales supervisor of the western section of its New York district. He succeeds A. L. Barnum, who has been named sales manager of the New England district. Mr. Carlson, who will make his headquarters in Buffalo, N. Y., has been associated with the company since 1937.

Trade Briefs

Cardinal Chemical Company has been organized in Cleveland to manufacture rare and unusual inorganic chemicals for use in research and synthesis. The company has offices at 2533 Broadway.

Winthrop-Stearns, Inc., New York, has announced that sulfamylon hydrochloride 1 percent solution is currently available to the medical profession to aid in combatting eye, ear, nose and throat infections.

Schering Corporation, pharmaceuticals manufacturer, has named Mortimer Fox assistant to the president. He was formerly treasurer and controller of Indian Motorcycle Company.

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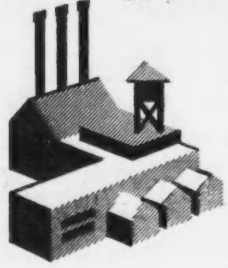

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'Benzedrex' Is New Agent In SK&F Inhalers

Benzedrex is the name given by the Smith, Kline & French Laboratories, drug manufacturer, Philadelphia, for a new drug with which it is replacing "benzedrine" in its nasal inhalers. Benzedrex is chemically 1-cyclohexyl-2-methylaminopropane. It was discovered by Dr. Glenn E. Ullyot, head chemist for the laboratories, in a search for a drug that would shrink the nasal membranes but would not be open to misuse as a stimulant, as was "benzedrine."

Efforts by the manufacturer to find an additive for its inhalers which would prevent the misuse of "benzedrine" were not successful. A bill was introduced in Congress which would have limited sale of the inhalers to prescriptions. The Smith, Kline & French Laboratories says that the author of that measure has been satisfied that the substitution of "benzedrex" for "benzedrine" will solve the problem which he attacked.

Medicinal Preparations Jan.-Mar. Exports Listed

Preliminary statistics on United States exports of medicinal and pharmaceutical preparations in the first three months of 1949, as well as in March of this year, have been issued by the Department of Commerce. The data on the value of these exports are as follows:—

	March	January-March
Castor oil, medicinal grade	$21,618	$56,032
White mineral oil, medicinal grade	129,625	443,287
Vitamins and vitasterols, fish oils, fish liver oils, and concentrates	1,916,646	5,240,474
Biologics (all forms)—		
For animal and veterinary use	76,054	318,627
Serums, antitoxins and toxoids for human use	261,228	784,935
Vaccines for human use	200,864	431,771
Insulin, enzymes, ferments, culture media and glandular products, n.e.s	954,335	2,807,156
Druggists' nonproprietary preparations—		
Elixirs, tinctures, fluid extracts and similar liquid solutions	248,106	589,811
Tablets, pills, capsules, powders, and similar manufactures	558,332	1,623,684
Medicinal chemicals, USP and NF	2,741,251	7,818,892
Antibiotics, derivatives and preparations	7,459,921	20,222,363
Veterinary medicinals and preparations, except biologics	26,698	86,757
Reagent chemicals for laboratory use	59,773	153,992
Proprietary medicinal preparations including tonics, bronchial and catarrh preparations, antiseptics, plasters and all other for human use	2,300,201	6,183,977
Total value	$16,954,654	$46,761,760

Clark Heads Purchasing Of Anheuser Busch, Inc.

Anheuser Busch, Inc., St. Louis, Mo., has appointed H. Homer Clark director of purchases. Mr. Clark has been associated with the Anheuser Busch organization for twenty years, and has been assistant director of purchases since 1947.

Squibb Sponsors Television Program at Canadian Meeting

E. R. Squibb & Sons of Canada, Ltd., presented the first commercial television program in Canada at the recent annual meeting of the Canadian Medical Association at Saskatoon, Saskatchewan. The programs, consisting of three days of surgical and diagnostic procedures, originated at Saskatoon City hospital and were televised to meeting halls in the Bessborough hotel.

Trade Briefs

Lyle B. Lathrop has been added to the pharmaceutical research department of Abbott Laboratories, Chicago.

H. Baron Company, flavorings manufacturer, Linden, N. J., has been purchased by the Airline Foods Corporation.

Theodore J. Neubert has been named assistant professor of chemistry at Illinois Institute of Technology, Chicago.

Charles J. Knuth has joined the research staff of Chas. Pfizer & Co., manufacturing chemists, Brooklyn, N. Y. He recently received his doctor's degree in chemical engineering at Brooklyn Polytechnic Institute.

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BIMS of New York List Golf Winners

Top honors at the recent golf tournament of the BIMS of New York were taken by A. D. Henderson with low gross and Harry G. Griffiths, Pennsylvania Drug Company, and C. R. Keeley, with low nets. Other prize winners were:

Alec. J. Dedrick, van Amerigen-Haebler, Inc.; Robert A. Kramer, Evans Chemetics, Inc.; Harry W. Heister, George Lueders & Co.; James McInnes jr., Commercial Solvents Corporation; Joseph G. Kelnberger, Schoel Manufacturing Company; Albert C. Burgund, Carr-Lowery Glass Company; Louis Bezard, Schiaparelli Parfums, Inc.; Walter S. Nuckols, Swindell Bros.; Walter A. Conklin, Wallace Paper Box Corporation; Paul A. Dunkel, Paul A. Dunkel & Co.; Frederick L. Butz, White Metal Manufacturing Company; Art Greene; Al Graff; Pel Livsey; Frank Higgins, and George Welp.

Smith, Kline & French Labs Establishes Two Fellowships

Smith, Kline & French Laboratories, Philadelphia, has established two traveling fellowships to encourage post-doctorate study and investigation in the fields of physiology and pharmacology. The fellowships, of $5,000 plus traveling expenses each, have been awarded to Dr. Edward B. Ferguson jr., Tulane University, who will study at Cambridge University, and to Dr. Charles J. Kensler, Cornell University, who will carry on pharmacological research at Oxford University.

Solvay Issues Data On Nitrosyl Chloride

The Solvay Process Division, Allied Chemical & Dye Corporation, has published a new report on the properties and reactions of nitrosyl chloride. The booklet, entitled "Nitrosyl Chloride—Properties and Reactions," discusses the properties, constants, dissociation values, preparation, equilibrium values and typical organic and inorganic reactions of the compound. Copies may be obtained from the division at 40 Rector street, New York 6.

Miller to Address Cleveland Drug Club

George Miller, president of Strong Cobb & Co., will be featured speaker at the meeting of the Cleveland Drug and Chemical Club, scheduled to be held in the Carter hotel on August 19. Mr. Miller will discuss "Socialized Medicine." He will be introduced by R. A. Shamel, Cleveland district sales manager of the Mallinckrodt Chemical Works, program director of the club.

Glass Container Shipments Down

The total shipments of narrow-neck glass containers in April were 4,276,999, as compared with 4,347,101 in March according to the Bureau of Census. In this category the amount used for medicinal and health purposes was 925,999 in April, against 929,048 in March, chemicals, 491,792 in April, against 486,331 in March; toiletries, 351,411 in April, against 391,519 in March.

The total shipment of wide-mouth glass containers in April was 2,591,984, as compared with 2,581,762 in March. In this category, the amount used for medicinal and health was 226,829 in April, against 272,853 in March; chemicals, 95,366 in April, against 76,231 in March; toiletries, 108,079 in April, against 84,705 in March.

Trade Briefs

Ivan D. Combe has become president of Eastco, Inc., laxative tablet manufacturer, and has resigned as president of Pharmacraft Corporation.

James Hill jr., president and chairman of the board of Sterling Drug, Inc., has been elected to the board of directors of the Brand Names Foundation.

Dow Chemical Company has announced that two new compounds, dehydroacetic acid and its sodium salt appear to have excellent food and cosmetic stabilizing properties. The maerials are said to be colorless, odorless and tasteless in all suitable concentrations.

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4 cs, Dodge & Olcott, Inc, Exchorda, Marseilles
AMMONIUM PERSULPHATE—20 kgs, F W Berk & Co, Parthia, Liverpool
ANILIN COLORS—9 dms, Sandoz Chemical Works, Examiner, Genoa
30 cs, Geigy & Co, Ile de France, Havre
ANISE—150 bls, K H Landes Co, Bataan, Hongkong
ARABIC GUM—503 bgs, Virchand Panachand Co, Exminster, Port Sudan
250 bgs, R D Heins Co, Exminster, Port Sudan
500 bgs, Paul A Dunkel Co, Exminster, Port Sudan
ARGOLS—1,000 bgs, Tartaric Raw Materials Corp, Marine Snapper, Genoa
479 bgs, Marine Snapper, Naples
478 bgs, Irving Trust Co, Italia, Lisbon
ASBESTOS FIBER—146 bgs, Berg Hedstrom Co, African Crescent, Capetown
9,700 bgs, Hunley Westfried Corp, Mathilda Thorden, Leningrad
ASCORBIC ACID—11 cs, Edam, Antwerp
BAUXITE—1,791 tons, General Chemical Co, Byfjord, Paramaribo
BEESWAX—41 bgs, Strahl & Pitsch, Inc, Inger Skou, Puerto Barrios
15 bgs, E Vadillo Ruiz Co, Maipo, Talcahuano
25 bgs, Geck Trading Co, Kathryn, Ciudad Trujillo
10 bgs, Poons & Co, Kathryn, Ciudad Trujillo
15 bgs, E Vadillo Ruiz, Maipo Santiago
BERGAMOT OIL—100 cs, Examiner, Messina
50 cs, Guaranty Trust Co, Examiner, Messina
BERYL ORE—500 bgs, J W Hampton Jr & Co, Bostonian, Victoria
BONE MEAL—412 bgs, Transatlantic Animal By-Products Corp, Examiner, Casablanca
1,000 bgs, Bank of London, Edam, Antwerp
2,205 bgs, Chemical Bank & Trust Co, Mahenge, Antwerp
800 bgs, Parthia, Liverpool
BUCHU LEAVES—25 bls, S B Penick & Co, African Crescent, Capetown
CAMPHOR—12 cs, Olivier & Co, Tarifa, Kobe
CARAWAY OIL—10 cs, Chemical Bank & Trust Co, Mathilda Thorden, Leningrad
CARAWAYSEED—100 bgs, Louis Furth Co, Arnedijk, Rotterdam
100 bgs, Catz American Co, Arnedijk, Rotterdam
CARNAUBA WAX—165 bgs, Frank B Ross Co, Bostonian, Bahia
269 bgs, Innis Speiden & Co, Bostonian, Bahia
70 bgs, Frank B Ross Co, Mormacsurf, Bahia
70 bgs, F W Steadman, Mormacsurf, Bahia
CASHEWNUT LIQUID—50 dms, Irvington Varnish & Insulator Co, Marine Snapper, Cochin
116 dms, J Missis, Inc, Steel Worker, Cochin
CASSIA—100 bls, William M Allison Co, Bataan, Hongkong
410 bgs, C M Van Sillevoldt Co, Bataan, Hongkong
100 bls, Becker Mayer Seed Co, Bataan, Hongkong
107 bgs, J B Budde, Arnedijk, Rotterdam
350 bls, Karl H Landes Co, Tarifa, Hongkong
OIL—25 dms, New York Trust Co, Bataan, Hongkong
CASTOR BEANS—3,294 bgs, Baker Castor Oil Co, Bostonian, Bahia
3,360 bgs, Baker Castor Oil Co, Mormacsurf, Bahia
CINNAMON BARK OIL—1 cs, George Lueders, Inc, Marine Snapper, Colombo
QUILLS—60 bls, Holland Colombo Trading Co, Marine Snapper, Colombo
50 bls, Norwalk Mills, Inc, Exminster, Colombo
CITRONELLA OIL—60 dms, A Maschmeyer Co, Inger Skou, Puerto Barrios
8 dms, Lo Curto & Funk Co, Inger Skou, Puerto Barrios
15 dms, Fritzsche Bros, Inc, Inger Skou, Puerto Barrios
30 dms, Givauden Delawanna, Inc, Inger Skou, Puerto Barrios
5 dms, Dodge & Olcott, Inc, Inger Skou, Puerto Barrios
28 dms, Harold A Southern Co, Inger Skou, Puerto Barrios
9 dms, Chase National Bank, Marine Snapper, Colombo
25 dms, American Industrial Products Corp, Tarifa, Keelung
CLOVES—250 bls, D Hecht Co, Robin Gray, Zanzibar
100 bls, Otto Gerdau Co, Robin Gray, Zanzibar
COALTAR ACID—88 dms, Merck & Co, Rialto, Hull
DYE—3 dms, General Dyestuffs Corp, Agwiking, Havana
COCONUT OIL—366 tons, Bunge Corp, Bataan, Manila
1,090 tons, Pacific Vegetable Oil Co, Tarifa, Cebu
COLUMBITE ORE—1,260 bgs, Union Carbide & Carbon Corp, African Glade, Lagos
COPAL GUM—200 bgs, Irving Trust Co, Vinkt, Matadi
500 bgs, U S Industrial Chemicals, Inc, Vinkt, Matadi
19 bgs, France, Campbell & Darling, Inc, Bataan, Manila
CREAM OF TARTAR—40 kgs, Examiner, Genoa
CRESYLIC ACID—1 cs, American Express Co, American Manufacturer, Liverpool
CUMINSEED—220 bgs, Examiner, Casablanca
187 bgs, W M Allison & Co, Examiner, Casablanca
186 bgs, Otto Gerdau Co, Examiner, Casablanca
657 bgs, H S Cramer Co, Examiner, Casablanca
250 bgs, U S Industrial Chemicals, Inc, Examiner, Casablanca
100 bgs, Wessel Duval & Co, Charles Paddock, Istanbul
100 bgs, Louis Furth Co, Charles Paddock, Istanbul
100 bgs, Norwalk Mills Co, Charles Paddock, Istanbul
170 bgs, M J Golombeck Co, Charles Paddock, Istanbul
230 bgs, Arthur G Dunn Co, Exchorda, Beirut
150 bgs, Morris J Golombeck Co, Exchorda, Beirut
DYESTUFFS—137 cyls, Sandoz Chemical Works, Arnedijk, Antwerp
EPHEDRINE SULPHATE—35 cs, Biddle Sawyer Corp, Arnedijk, Antwerp
ESSENTIAL OILS—2 dms, George Uhe & Co, Marine Snapper, Marseilles
6 dms, P Roberter Co, Exchorda, Marseilles
1 dm, Bankers Trust Co, Exchorda, Marseilles
2 cs, Massee Bennett Co, Ile de France, Havre
ETHYL GALLATE—1 dm, Globe Shipping Co, Parthia, Liverpool
FENUGREEK SEED—161 bgs, S B Penick & Co, Examiner, Casablanca
FERRO TUNGSTEN—60 cs, National City Bank, Tarifa, Kobe
40 cs, National City Bank, Tarifa, Yokohama
FISH MEAL—1,121 bgs, Albumina Supply Co, Examiner, Casablanca
2,176 bgs, Wilbur Ellis Co, Examiner, Casablanca
FLEASEED—121 bgs, S B Penick & Co, Exminster, Bombay
63 bgs, Peek & Velsor, Inc, Exminster, Bombay
FUEL OIL—108,839 bbls, Esso Standard Oil Co, Imperial Winnipeg, Caripito
103,000 bbls, Esso Standard Oil Co, Esso Raleigh, Aruba
69,288 bbls, Shell Oil Co, Patella, Curacao
103,000 bbls, Esso Export Corp, Esso Chattanooga, Aruba
103,000 bbls, Esso Export Corp, Esso Hartford, Aruba
107,099 bbls, Mexican Petroleum Corp, Texas Trader, Curacao
GELATIN—227 bgs, Transatlantic Animal By-Products Corp, Horda, Buenos Aires
GRAPHITE—712 bgs, Central Hanover Bank & Trust Co, Robin Gray, Mozambique
500 bgs, Charles Pettinos Co, Exminster, Colombo
286 bgs, Asbury Graphite Mills, Exminster, Colombo
GUAIACWOOD OIL—45 cs, Horda, Buenos Aires
GYPSUM, CRUDE—9,060 tons, National Gypsum Co, Dingwall, Little Narrows
10,251 tons, U S Gypsum Co, Gypsum Queen, Hantsport
200 bgs, C B Crystall Co, Rialto, Hull
IRISH MOSS—5 bls, E Miltenberg Co, Bataan, Hongkong
10 bls, Parthia, Liverpool
LAVENDER OIL—10 bbls, Peek & Velsor, Inc, Marine Snapper, Marseilles
25 dms, Norda Essential Oil & Chemical Co, Exchorda, Marseilles
LEMONGRASS OIL—18 dms, George Lueders, Inc, Marine Snapper, Cochin
2 dms, Dodge & Olcott, Inc, Manaqui, La Libertad
1 dm, W J Bush & Co, Manaqui, La Libertad
10 dms, East Asiatic Co, Steel Worker, Cochin
LICHEN—40 bls, R J Prentiss & Co, De Grasse, Havre
LICORICE ROOT — 1,470 bls, MacAndrews & Forbes Co, Mathilda Thorden, Leningrad
LIME OIL—18 cs, Fritzsche Bros, Inc, Byfjord, St George
LIQUIDAMBAR—4 dms, Manufacturers Trust Co, Manaqui, Amapola
LIVER MEAL—1,656 bgs, Balfour Guthrie Co, Mormacsurf, Buenos Aires
LOCUST BEAN GUM—150 bgs, E Meer Co, Maine Snapper, Genoa
500 bgs, Guaranty Trust Co, Topeka, Rotterdam
MAGNESITE—2,316 bgs, Golwynne Chemical Co, Exminster, Madras
204 bgs, Morocco Trading Co, Exminster, Madras
MAGNESIUM CARBONATE — 50 cs, Examiner, Genoa
MANGANESE DIOXIDE—210 tons, National City Bank, Leena Dan, Coquimbo
MEDICINAL HERBS—32 bls, Peek & Velsor, Inc, Edam, Antwerp
5 bls, Peek & Velsor, Inc, Exchorda, Genoa
MENTHOL—38 cs, Charles L Huisking Co, Horda, Santos
150 cs, Parsons & Wittemore Co, Mormacsurf, Santos
MICA—8 cs, Fabricantisen Generale, Horda, Rio de Janeiro
7 cs, Sylvania Elec Products Co, Horda, Rio de Janeiro
45 cs, Seigfried Cussel Co, Horda, Rio de Janeiro
29 cs, Cornelius & Suhr Co, Exminster, Calcutta
1 cs, Otto Gerdau Co, Exminster, Calcutta
20 cs, Asheville Schoonmaker Mica Co, Exminster, Calcutta
65 cs, Otto Gerdau Co, Exminster, Calcutta
392 cs, Cornelius & Suhr Co, Exminster, Calcutta
160 cs, United Mineral & Chemical Co, Exminster, Calcutta
194 cs, Manchaart Trading Co, Exminster, Calcutta
39 cs, Habers Export Agency, Exminster, Calcutta
419 cs, Asheville Schoonmaker Mica Co, Exminster, Calcutta
120 cs, James F Garneau Co, Exminster, Calcutta
345 cs, Eugene Munsell Co, Exminster, Calcutta
438 cs, United Mineral & Chemical Co, Exminster, Calcutta
50 cs, Amertex Industrial Exporters, Exminster, Calcutta
1,850 cs, Gillespie-Rogers-Pyatt Co, Exminster, Calcutta
24 cs, Asheville Schoonmaker Mica Co, Exminster, Calcutta
250 cs, United Mineral & Chemical Co, Exminster, Madras
235 cs, Cornelius & Suhr Co, Exminster, Madras
10 cs, Otto Gerdau Co, Exminster, Madras
102 cs, William Brand Co, Exminster, Madras
318 cs, Exminster, Madras
55 cs, Otto Gerdau Co, American Inventor, Hull
MONTAN WAX—250 cs, Noble Products Corp, Mormacport, Gdynia
MYRRH GUM—13 bgs, R D Heins Co, Exminster, Aden
NUX VOMICA—112 bgs, S B Penick & Co, Exminster, Madras
OLIVE OIL—121 dms, Strohmeyer & Arpe Co, Examiner, Casablanca
150 dms, J Ossola Co, Examiner, Casablanca
24 dms, Aroma Products Corp, Exchorda, Genoa
OURICURY WAX—126 bgs, Cornelius Products Corp, Bostonian, Bahia
56 bgs, Wessel Duval & Co, Bostonian, Bahia
63 bgs, Innis Speiden & Co, Bostonian, Bahia
112 bgs, Wessel Duval & Co, Mormacsurf, Bahia
63 bgs, Innis Speiden & Co, Mormacsurf, Bahia
OX GALL—62 cks, C Hollinshend Co, Mormacsurf, Buenos Aires
OX GLANDS—160 cs, J A Semick Co, Mormacsurf,
PALM OIL—400 tons, Balfour Guthrie Co, Vinkt, Matadi
609 tons, Balfour Guthrie Co, Vinkt, Bombay
PAPAIN—3 cs, S B Penick & Co, Robin Gray, Mombasa
43 cs, Getz Import Co, Robin Gray, Mombasa
25 cs, Robin Gray, Tanganyika
298 cs, Charles L Huisking Co, African Crescent, Mombasa
112 cs, Wessel Duval & Co, African Crescent, Mombasa
186 cs, National City Bank, African Crescent, Mombasa
PEATMOSS—40 bls, Halfmoon Trading Co, Edam, Rotterdam
PEPPER, BLACK—80 bgs, Uno Shipping Co, Claiborne, Rotterdam
240 bgs, Mincing Trading Co, Marine Snapper, Cochin
240 bgs, Mollar Trading Co, Marine Snapper, Cochin
240 bgs, M Golombeck Co, Marine Snapper, Cochin
31 bgs, Catz American Co, Examiner, Trieste
160 bgs, Bank of Montreal, Exminster, Cochin
160 bgs, Chevalier & O'Connor, Exminster, Cochin
145 bgs, Uno Shipping Co, Arnedijk, Rotterdam
100 bgs, J Berlage Co, Arnedijk, Rotterdam
84 bgs, East India Trading Co, Arnedijk, Rotterdam
266 bgs, Arnedijk, Antwerp
320 bgs, C Czarnikow Co, Steel Worker, Cochin
160 bgs, Banker Trust Co, Steel Worker, Cochin
PEPPER, BLACK—400 bgs, Mincing Trading Co, Steel Worker, Cochin
160 bgs, National City Bank, Steel Worker, Cochin
31 bgs, H Marmorek Co, Topeka, Antwerp
100 bgs, Balex Corp, Exchorda, Beirut
WHITE—150 bgs, L N White Co, Mormacport, Gdynia
PERU BALSAM—1 dm, Florasynth Labs, Manaqui, La Libertad
5 dms, S B Penick & Co, Manaqui, La Libertad
4 dms, W R Grace & Co, Manaqui, Corinito
PETROLEUM, CRUDE—15,021 tons, Esso Standard Oil Co, Apache Canyon, Mena Al Almadi
124,717 bbls, Esso Standard Oil Co, Esso New Haven, Puerto La Cruz
129,946 bbls, Socony Vacuum Oil Co, Stony Point, Puerto La Cruz
POPPYSEED—100 bgs, Louis Furth Co, Arnedijk, Rotterdam
367 bgs, M J Golombeck Co, Charles Paddock, Istanbul
134 bgs, Wagners Bros Feed Co, Charles Paddock, Istanbul
400 bgs, Louis Furth Co, Charles Paddock, Istanbul
POTASH SALTS—20 cks, Apmiller Supply Co, Parthia, Liverpool
POTASSIUM HYDROXIDE—50 cs, Bergstrom Trading Co, Mormacport, Gothenburg
PERCHLORATE—18 bbls, Chilean Nitrate Sales, Leena Dan, Antofagasta
PROPYL GALLATE—1 dm, Globe Shipping Co, Parthia, Liverpool
PYRETHRUM FLOWERS—200 bls, Banque Belge, Robin Gray, Mombasa
250 bls, U S Industrial Chemicals, Inc, Robin Gray, Mombasa
250 bls, J Powell Co, Robin Gray, Mombasa
50 bgs, U S Industrial Chemical, Inc, Robin Gray, Dar Es Salaam
271 bls, S B Penick & Co, Inger Skou, Puerto Barrios
74 bls, S B Penick & Co, Examiner, Casablanca
QUEBRACHO EXTRACT—1,200 bgs, International Products Corp, Mormacsurf, Buenos Aires
RHUBARB ROOT—24 cs, R J Prentiss & Co, Bataan, Hongkong
ROSE LEAVES—20 bls, S B Penick & Co, Examiner, Casablanca
RYANIA SPECIOSA WOOD—355 bgs, S B Penick & Co, Byfjord, Trinidad
SANDALWOOD OIL—57 cs, Givaudan Delawanna, Inc, Exminster, Madras
SASAFRASS OIL—14 dms, W J Bush & Co, Tarifa, Keelung
35 dms, Givaudan Delawanna, Inc, Tarifa, Keelung
SEEDLAC—134 bgs, P N Rowe Co, Steel Worker, Bangkok
127 bgs, William Zinsser Co, Steel Worker, Bangkok
SESAME SEED—4 cs, Tuck & High Co, Tarifa, Hongkong
SHELLAC—200 bgs, Schwab Bros, Exminster, Calcutta
41 cs, Exchorda, Beirut
SOPHORA JAPONICA—200 bgs, R J Prentiss & Co, Bataan, Hongkong
SOY—116 dms, E Miltenberg Co, Bataan, Hongkong
STYRAX GUM—166 cs, J A Davis Co, Parthia, Liverpool
TALC—500 bgs, Charles Mathieu Co, Marine Snapper, Genoa
145 bgs, Charles Mathieu Co, Examiner, Genoa
TAPIOCA FLOUR—1,800 bgs, Geismar & Co, Horda, Santos
334 bgs, Geismar & Co, Birkaland, Imbituba
800 bgs, Stein Hall & Co, Birkaland, Imbituba
500 bgs, H F R Dolan Co, Birkaland, Imbituba
2,500 bgs, Geismar & Co, Birkaland, Imbituba
1,000 bgs, American Key Products Corp, Birkaland, Imbituba
1,666 bgs, H F R Dolan Co, Birkaland, Imbituba
6,900 bgs, Stein Hall & Co, Birkaland, Imbituba
3,000 bgs, Catz American Co, Birkaland, Imbituba
500 bgs, Stein Hall & Co, Birkaland, Florianopolis
1,100 bgs, Geismar Co, Birkaland, Santos
1,300 bgs, Morningstar Nichols Co, Mormacsurf, Santos
TEASEED OIL—50 dms, E M Sergent Pulp & Chem Co, Bataan, Hongkong
TOLU BALSAM—20 cs, Biddle Sawyer Corp, Santa Sofia, Barranquilla
TRAGACANTH GUM—43 bgs, Shasha Trading Co, Queen Mary, Southampton
14 cs, Shasha Trading Co, Queen Mary, Southampton
UREA—40 bgs, Terra Chemical Co, Arnedijk, Rotterdam
VEGETABLE WAX—10 cs, Innis Speiden & Co, Tarifa, Kobe
WATTLE BARK—1,660 bls, Hammond & Carpenter, Robin Gray, Durban
552 bls, Vermilye Co, Robin Gray, Durban
2,188 bls, Bank of New York, African Crescent, Bombasa
1,550 bls, River Plate Import & Export Co, African Crescent, Durban
1,925 bls, Olson Sales Agency, African Crescent, Durban
WHITING—1,600 bgs, N H Weitzner Co, Mahenge, Antwerp
WOLFRAM ORE—892 bgs, Steel Worker, Bangkok
WOOL GREASE—27 dms, Phoenix Oil Products Corp, American Inventer, Hull
28 dms, Tupman Thurlow Co, Rialto, Hull
50 dms, Hummel Chemical Co, Topeka, Antwerp
220 dms, N I Malmstrom Co, American Manufacturer, Manchester
128 dms, American Manufacturer, Manchester
WORMSEED OIL—3 bbls, Norda Essential Oil & Chemical Co, Arnedijk, Rotterdam
YELLOW OCHRE—64 cks, African Crescent, Capetown

Philadelphia

July 28 to August 1

CHROME ORE — 3,355,800 lbs, E J Lavino Co, Robin Doncaster, Beira
2,500 tons, U S Treasury Dept, Emma Bakke, Iskenderun
5,000 tons, Guaranty Trust Co, Hellenic, Iskenderun
1,181 tons, Mutual Chemical Co, Hellenic, Iskenderun
FUSED WAX—250 bgs, Irving Trust Co, Mormacmail, Gdynia
GYPSUM, CRUDE—6,306 tons, U S Gypsum Co, Gypsum King, Hansport
PEATMOSS — 1,160 bls, Halfmoon Trading Co, Blommersdijk, Rotterdam
PETROLEUM, CRUDE—91,765 bbls, Atlantic Refining Co, Atlantic Belgium, Las Peidras
83,000 bbls, Esso Export Corp, Maria Letizia, Aruba
111,225 bbls, Gulf Oil Corp, Gulfswamp, Las Peidras
123,717 bbls, Atlantic Refining Co, Atlantic Traveler, Pamacatual
118,936 bbls, Gulf Oil Corp, Gulfmills, Mena Al Ahmadi
121,950 bbls, Gulf Oil Corp, Gulfdawn, Puerto La Cruz
203,509 bbls, Gulf Oil Corp, Burgan, Abu Zenima
117,425 bbls, Atlantic Refining Co, Atlantic Transporter, Puerto La Cruz
106,690 bbls, Socony Vacuum Oil Co, Ariston, Mena Al Ahmadi
PETROLEUM, CRUDE—118,779 bbls, Gulf Oil Corp, Gulfkey, Puerto La Cruz
120,612 bbls, Socony Vacuum Oil Corp, Arickaree, Mena Al Ahmadi
ZIRCONIUM ORE—6,100 bgs, Frank Samuel Co, Minute Man, Santos

San Francisco

July 26 to August 1

COPRA—500 tons, Cargill, Inc, Linfield Victory, Tacolban
72 tons, Atkins Kroll Co, President Pierce, Zamboanga
154 tons, El Dorado Oil Works, President Pierce, Zamboanga
700 tons, Cargill, Inc, President Pierce, Castanas
2,169 bgs, Carbill, Inc, President Pierce, Cebu
FERTILIZER—500 bgs, Woodward & Dickerson, Santa Juana, Callao
2,102 bgs, Wyoming, Antwerp
FISH MEAL—1,282 bgs, Manufacturers Trust Co, Santa Juana, Callao
1,400 bgs, Wyoming, Havre
FISHLIVER OIL—30 dms, Young America, Inchon
GALL NUTS — 504 bgs, Mallinckrodt Chemical Works, President Pierce, Hongkong
GYPSUM, CRUDE—9,798 tons, Standard Gypsum Co, Permanete Silverbow, San Marcas
LEAD ORE—698 tons, Bank of Manhattan Co, Santa Juana, Callao
320 tons, American Smelting & Refining Co, Santa Juana, Callao
603 tons, American Smelting & Refining Co, Santa Juana, Antofagasta
109 tons, Bank of Manhattan Co, Santa Juana, Antofagasta
144 tons, American Smelting & Refining Co, Santa Juana, Antofagasta
896 bgs, American Smelting & Refining Co, Santa Juana, Champerico
MINERAL CONCENTRATES—279 dms, American Smelting & Refining Co, Great Republic, Manila
PEPPER, BLACK—240 bgs, Mincing Trading Co, President Harding, Cochin
WHITE—35 bgs, B C Ireland Co, Francisville, Hongkong
PYROTECHNICS—250 cs, Charles Gitlan Co, President Pierce, Hongkong
24 cs, Royal Cathay Co, President Pierce, Hongkong
SODIUM GLUTAMATE, MONOBASIC — 24 dms, Pulvol Co, President Pierce, Hongkong
TANKAGE—937 bgs, Lomburg, Buenos Aires
TUNG OIL — 105 dms, D Hecht Co, President Pierce, Hongkong
VARNISH GUMS—63 bgs, Henry W Peabody Co, President Pierce, Manila

Canadian Industries Opens Ontario Pesticides Plant

Canadian Industries, Ltd., has opened an agricultural pesticides plant at Hamilton, Ontario, at an estimated cost of $500,000, according to a recent announcement. The company plans to develop formulas for insecticides, fungicides and rodenticides. Its installations include micropulverizing, grinding and micro-blending machinery. It will also package special fertilizers, grind sulphur for such industrial uses as rubber making, and formulate hormone sprays and dusts.

The company will import chemicals from the United States and plans to market its pesticides largely in southern Ontario. None of the commodities will be exported, it was said.

Indian Imports, Exports: Jan.

Imports into India from the United States and exports from India to the United States during January of this year have been reported by the Indian government. Among the items listed are:—

Imports

Petroleum and products	$2,695,929
Nonmetallic minerals and products	178,387
Zinc and manufactures	575,783
Medicinal and pharmaceutical preparations	859,873
Pigments, paints and varnishes	94,107
Sugar and related products	130,645
Naval stores, gums and resins	27,571
Coaltar products	649,648
Industrial chemicals	687,103
Chemical specialties	235,853
Fertilizers and fertilizer materials	130,623

Exports

Spices	$1,005,297
Drugs, herbs, roots and leaves	77,637
Vegetable dyeing and tanning materials	21,688
Animals and animal products, inedible	123,979
Naval stores, gums and resins	1,132,827
Vegetable oils and waxes, inedible	31,356
Lead and manufactures	19,424

Trade Briefs

Fred J. Board has been named product advertising manager for **Borden's** "Starlac," a dry skim milk. For the past five years he was with Standard Brands as assistant product manager of "Chase & Sanborn" coffee and "Tender Leaf" tea.

Ralph R. Paxton has been named assistant professor of chemistry at Stanford University. He was formerly on the staff of Massachusetts Institute of Technology, and before that was a chemical engineer with Whiting research laboratory of Standard Oil of Indiana.

Johns-Manville Corporation has awarded a contract for the engineering and construction of the principal buildings and services at its new Canadian asbestos mine in Munro Township, Ontario. Construction is expected to get under way immediately.

Cortisone to be Allocated

—Continued from page 7

supplied cortisone to the Mayo Clinic, Rochester, Minn., in September, 1948, for the first clinical studies in rheumatoid arthritis made by Drs. P. S. Hench, E. C. Kendall, C. H. Slocumb, and H. F. Polley.

Mr. Merck announced that the company is taking all possible steps, based on present scientific knowledge, to increase production of this new product. It is expected that the amount available from the company's laboratory production program will be increased the latter part of this year, but supplies will be sufficient only to take care of clinical and other research studies. The material made available by Merck to the committee of the National Academy of Sciences will be allocated solely and independently by the committee to institutions and clinics for their studies.

Drug Research Expansion Planned

The government of the state of Kashmir, India, has launched a five year program for the expansion of the drug research laboratory in Srinagar. Plans call for the import of machinery from the United States and other countries and the increasing of the manufacture of cholera and typhoid vaccines. In addition, the government is planning to grow herbs on a 1,000 acre tract to enable the laboratory to get them at a cheaper rate.

Reade Issues Two Brochures

The pharmaceutical division of the Reade Manufacturing Company, Jersey City, N. J., has published a price list of its amino acids, pharmaceuticals and fine chemicals and a brochure containing a specification list of its pharmaceutical items. Copies may be obtained from the company at 135 Hoboken avenue, Jersey City 2.

Trade Briefs

Dr. Seymour Halbert has been appointed assistant professor of bacteriology and Dr. Elmer L. Gaden jr., has been named assistant professor of engineering at Columbia University, New York.

Dr. E. H. Northey, administrative director of American Cyanamid Company's Stamford research laboratories, recently delivered a series of lectures at the University of Colorado, Boulder, Colo. His talks were on the subject of synthetic drugs and were a part of a new summer course called "Trends in the Chemical Industry," sponsored by the university's department of chemical engineering.

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Parke-Davis Establishes New Branch in Atlanta

Parke-Davis & Co., Detroit, announces creation of a new branch in Atlanta, and a reconstitution of the Baltimore branch. The Atlanta office, formerly operated as a depot, has been made a full-fledged branch and will be managed by W. L. Johnson, formerly manager of the Baltimore branch. With him will be R. T. Sanner, assistant to the branch manager; F. R. Hart, branch house manager, and C. B. Wilson, field manager.

The Baltimore branch formerly served the territory now taken over by the Atlanta branch. The former Philadelphia branch will become a depot under the direction of the Baltimore branch. C. D. Moon, former manager at Philadelphia, has assumed management of the reconstituted Baltimore branch. His assistant branch manager, as in Philadelphia, will be Elliott Powers. L. A. Johnson will serve as Baltimore branch house manager, and W. H. Bevington is Philadelphia depot manager.

Hilton-Davis Engages Four

Hilton-Davis Chemical Company, a division of Sterling Drug, Inc., has added four chemical engineers to its staff. Harold Hornbeck and Harry Whitaker have been assigned to the research laboratories; Richard Torbeck to the pharmaceutical division, and David Moore to the engineering department.

Glycerol Esters Described

Glyco Products Company, Brooklyn, N. Y., has published a brochure describing esters of glycerol and many glycols and polyglycols. The publication gives tables of physical properties and uses of higher fatty acid esters. Copies may be obtained from the company at 26 Court street, Brooklyn 22.

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ECA Paris Office Chemical Section Still Functioning

A story in the July 11 issue of OIL, PAINT AND DRUG REPORTER, stating that the chemical section of the Paris office of the Economic Cooperation Administration had been abolished, was incorrect, according to advice received last week from ECA in Paris. Although the office had been reorganized, the chemical section is still operating, with Edmund M. Flaherty as chief and Charles Berl as assistant chief.

FTC Practices Hit

—*Continued from page 5*

be handled legislatively, Mr. Johnson said that "a commission of some kind is about the only way it could be done that would consider all conditions and considerations of size—effect on competition, economic factors involved, and so fourth—and then to impose restrictions if that point were reached."

In another recommendation to the committee, the speaker urged that Congress act to stop "something of a racket" that is developing in suits for triple damages brought under the antitrust laws. He said that the flurry of suits had sprung from a recent Supreme Court decision liberalizing such damage claims.

On the following day, Mr. Walter testified before a senate judiciary sub-committee in opposition to the Holland bill, which would provide a uniform period of limitations within which treble damage actions may be instituted under antitrust laws.

Mr. Walter vigorously contested the bill, saying that "if this bill is passed American Potash & Chemical would be finished, our stockholders would lose everything, our employees would be out of work. The same thing could and would happen to hundreds, even thousands of other firms. It would strike at the very foundation of American industry and the nation's economy."

He pointed out that the bill, by allowing a claimant to institute suit for alleged damages within six years after he discovers the facts upon which he relies for proof of the existence of the conspiracy, would have a devastating effect on American business.

The origin of the measure lies largely, he said, in a case in which George B. Burnham, president of the Burnham Chemical Company, Oakland, Calif., had sought treble damages from Borax Consolidated, Ltd., and later from American Potash & Chemical Corporation, claiming that a conspiracy existed against him. Mr. Walter said that any relief for Mr. Burnham should be in the nature of a "private bill," and should not be included in public legislation.

He pointed out that under the Holland bill American Potash & Chemical would be liable for $18,000,000 in claims, in spite of the fact that the present and stockholders were not guilty of that alleged offenses, and added that "if this bill is passed American Potash & Chemical would be finished."

Mr. Walter presented in testimony a statement by B. R. Armour, chairman of the board of American Potash & Chemical, in which he detailed the history of the company and the claims against it. Mr. Armour detailed the company's opposition to the bill as follows:

Amer. Potash Position Explained

"American Potash as now constituted is not the same German owned entity of whose conduct Mr. Bunham complains. The United States government seized over 90 percent of the stock of the German owned company in October, 1942 and operated the company until March of 1946. During this four year period the management of the company and its practices were thoroughly reviewed and sterilized by the government itself.

"The alleged conduct of which Messrs. Bunham and Suckow complain occurred in the 1920's during the period of German ownership.

"In 1946 the government, through the office of the Alien Property Custodian, sold the vested stock to the public. American investors paid approximately $16,700,000, to the government for the securities. When the government sold the securities, a prospectus was prepared which described the securities and the Burnham suit. At the time I was advised by counsel that the suit was barred by the statute of limitations and the prospectus itself contains a similar statement in the notes to the financial statements. The opinion of counsel has been borne out by the courts.

"When the American public bought the American Potash securities from the government in 1946, they relied on the representations in the prospectus and the laws then in effect. In March, 1947, a further issue of $7,000,000 of preferred stock was sold publicly on a prospectus which contained similar statements about the Burnham case. Thus, the public has invested $23,700,000 in American Potash upon the basis of representations and a rule of law which it is now suggested be changed retroactively.

"It is unthinkable to me that the Congress would consent to the taking of any such action if the full facts are brought to its attention."

Trade Briefs

Hall Laboratories, Inc., consultant on industrial and municipal water problems, Pittsburgh, has named Joseph M. Maloney to its research department. He will specialize in problems of condensate line corrosion and its control.

Harry J. Aldrich, secretary and assistant treasurer of Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has been reelected president of the Safety Council of Western New York. LeRoy J. Collins, safety director of Spencer Kellogg, was elected secretary-treasurer of the council.

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Botanical Drugs, Spices, Gums

The annual adjustment of inventory values in the botanical drug market was reflected locally by the downward revision of numerous quotations to the end that spot prices might more accurately reflect the probably cost of the 1949 crop bought at the origins at prices lower than a year ago. Stocks in local warehouses were reported weighed and not found wanting; most items were being carried over in a better than fair sized quantity. Stocks in primary market collectors' warehouses were reported to be growing moderately but steadily at a cost considerably below that prevailing a year ago at this time. The market index was off 4.1 points and at 177.7 might be compared with 199.2 that prevailed a year ago when the index held unchanged. Influential in bringing the index drop were reductions in prices on black haw bark of root and cascara sagrada bark, belladonna and buchu leaves, lycopodium, and mandrake root. However, the lower prices total effect on the index was modified considerably by higher prices that prevailed on euphorbia pil and valerian root.

Furthermore, spot information suggested probable declines to come on elm bark, henbane, uva ursi, stramonium, goldenseal, and senega. It was noted that primary market collectors were paying slightly more than they did a month ago for hydrangea, mandrake, stillingia and stone root, but also that they would now pay less for birch bark, black haw bark of root and tree, boneset leaves, butternut bark of root, gelesmium root, lemon balm leaves, motherwort herb, peppermint leaves, shonny bark of root, witch hazel leaves, and thick natural wild cherry bark.

Arrival of 667 cases of papain failed to break the market further on spot. Valerian from Belgium was a scarce article and much higher prices in the primary market have followed defaults on contract obligations. Euphorbia cost more at the origin and sellers were reserved here.

The fact that Italy and Yugoslavia are about to sign a trade pact may be influential on the future offerings of botanicals to this market. Italy always was active in the sale of Yugoslavian items and ironing out of their differences over Trieste may be beneficial. At least a trade pact was awaited here with interest.

Balsams

Copaiba—Prices were lowered to 63c. to 70c. per pound under keener competition for an article recently moving in moderate quantities only.

Fir—Canadian balsam was slightly lower at $32 to $33 per gallon but Oregon balsam remained at $2.35 per gallon.

Tolu—The market failed to decline further, remaining at $2.10 minimum but seeming to be slightly steadier thereat than it was a week ago.

Barks

Barberry—Root bark was down to 60c. to 65c. per pound and under light demand was easy and more competitive than recently. Tree bark was not mentioned.

Black Haw—Readjustment of spot prices in a direction coincident with what collectors are willing to pay gatherers this year was noted last week and the market on root bark ended last week lower at 70c. to 80c. per pound.

Cascara Sagrada—Ability to obtain new crop stocks at more favorable prices made possible a reduction of spot quotations to the basis of 26c. to 28c. per pound. It was not certain that even less might not be accepted in some quarters.

Imports Detained by FDA

Week Ended July 29

Buchu leaves, 4 bags: excess stems.
Cassia, 3,479 bales: insect webbing and excreta insect infestation.
Cassia oil, 10 drums: not USP.
Chamomile flowers, 34 bags: live and dead insects.
Chili pepper, 13 bags: live and dead insects.
Cod oil, technical, 300 drums: decomposed.
Cumin seed, 210 bags: live and dead insects; filthy.
Karaya gum, 67 bags: excessive bark and other foreign organic matter.
Nutmegs, 9 bags: wormy.
Pepper, black, 590 bags: moldy and insect bored; insect infested.

Market Trends

Prices Advanced

Drugs

Euphorbia pil herb, 5c. per lb.
Ginger root, African, 2½c. per lb.
Valerian root, Belgian, 8c. per lb.

Other Articles

Celery seed, Indian, 1c. per lb.
Coriander seed, Argentine, ½c. per lb.
Clove, Madagascar, spot, 1c. per lb.
Zanzibar, spot, 1c. per lb.
Pepper, black, spot, 13c. per lb.
afloat, 15c. per lb.
Aug.-Sept. shipment, 17c. per lb.
white, spot, 20c. per lb.

Prices Reduced

Drugs

Alkanet root, 5c. per lb.
Asafetida, whole, 3c. per lb.
Barberry root, bark, 5c. per lb.
Belladonna leaves, 10c. per lb.
Black haw root bark, 5c. per lb.
Buchu leaves, 3c. per lb.
Cantharides, Russian, 50c. per lb.
Cascara sagrada bark, 1c. per lb.
Catnip leaves, 5c. per lb.
Chamomile flowers, Roman, 5c. per lb.
Copaiba balsam, 2c. per lb.
Cubeb berries, 5c. per lb.
Culvers root, 5c. per lb.
Digitalis leaves, 10c. per lb.
Fir balsam, Canada, 50c. per gal.
Fish berries, 4c. per lb.
Gum gamboge, pipe, 5c. per lb.
mastic, 10c. per lb.
Hellebore root, imp., black, 3c. per lb.
white, whole, 5c. per lb.
powdered, 2c. per lb.
Hyssop leaves, 10c. per lb.
Irish moss, bleached, 2c. per lb.
Kamala powder, 2c. per lb.
Linden flowers, 2c. per lb.
Lycopodium, 45c. per lb.
Mandrake root, 2c. per lb.
Pink root, 5c. per lb.
Rue herb, 5c. per lb.

Other Articles

Sage Dalmatian, ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
177.7	181.8	178.8	199.2

(*For Current Prices see Page 9*)

Beans

Vanilla—Prices held unchanged, seemed fairly steady, and appeared to be accepted with fair favor on the part of extract manufacturers. Replacement conditions changed very little and it was expected that a firmer situation will develop at the origins if the present dissatisfaction with returns of vanilla culture shall continue and become an influence in the direction of a reduction in pollenization in the future.

Berries

Cubeb—Competition cut the spot price down to the basis of 35c. to 40c. per pound for whole berries and, though unchanged, powdered material was apt to be available for less than current quotations should the quantity be attractive.

Fish—Renewal of what had been an almost totally bare spot market has returned firmer prices backed with actual goods and late last week the market was quoted lower at 20c. to 25c. per pound.

Flowers

Chamomile—Roman chamomile flowers were lower at 95c. to $1 per pound last week but no change in quotations on Hungarian flowers was made, though some expect lower prices later.

Linden—More aggressive competition prevailed and it was possible to find sellers of both with and without leaves material on the minimum basis of 22c. per pound. Upwards of 25c. was asked.

Saffron—Mexican was quoted at 80c. to 85c. per pound and Spanish was maintained at $17 to $18 under light demand for both varieties. It was a buyers' market in most respects.

Gums

Aloe—Cape gum was shaded to 23c. to 24c. per pound but over varieties of aloe lacked quotable change. They were generally firm, considering the not expansive character of current call.

Asafetida—Lump gum could be had for the lower price of 32c. per pound but the range, prevailing as to supplier, was to 35c. Lack of demand hastened to bring sellers to a more competitive approach to the market. Powder was available only on special order.

Euphorbium—Jobbing demand was supplied at 35c. to 40c. per pound and the supply was sufficient to bring more competition into the fore during the past week.

Galbanum—The limited quantities required by buyers last week were supplied at 75c. to 80c. per pound under the influence of fairly easy replacement position at the origin.

Gamboge—Pipe was shaded to $1.15 to

For Late Market Developments, See Page 4

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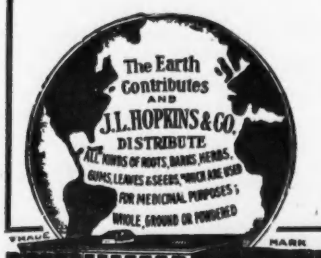

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$1.20 per pound but powder held without change and was reasonably steady when the volume of demand was considered.

Mastic—Competition continued to drive prices down and at the end of last week it was possible to buy prompt deliveries at $1.80 to $1.90 per pound, according to supplier and quantity.

Herbs and Leaves

Belladonna—Those selling imported goods exclusively eased their price views and offered at 75c. per pound late last week. Conditions did suggest that European leaves should cost less this year. Domestic leaves were quoted upwards of $1.10 but it required a firm contract in hand to determine exactly what could be done.

Buchu—Sellers competed more actively for the limited amount of business current in the market during the past week. Quotations sank to the basis of 80c. to 85c. per pound and were none too steady thereat late in the period.

Catnip—This was one of the domestics the country collection price of which has been decreased substantially this year—sufficiently so to affect the spot market during the past week. Quotes on spot were down to 50c. to 55c. per pound and little was bought.

Digitalis—Some were disposed to reduce inventories in anticipation of lower costs prevailing in the European market this year. Spot quotations were reduced to 70c. to 85c. per pound, as to seller.

Euphorbia—The market has strengthened here in response to strengthening in the primary market. Spot prices were up to 18c. to 20c. per pound and some were disposed to continue the rise.

Hyssop—Leaves were weaker under competition and prices dropped to the basis of 45c. to 50c. per pound under pressure of a narrow consuming outlet at this time and the tendency of some to reduce their inventories of the slow moving item.

Rue—Foreign market has had a softer tone of late and some have managed to place replacement orders at prices making it possible to offer the balance of spot stocks on the basis of 35c. to 40c. per pound. This is one of the raw materials used as a source of rutin.

Miscellaneous

Cantharides—Whole Russian flies were down to $4.50 per pound without exciting buyers to activity. Plenty of Chinese flies were available at that not steady price of $1.10.

Iceland Moss—Slow movement has weakened some sellers' price views and late last week the market offered fair stocks at 35c. to 40c. per pound.

Kamala—Stocks have been moderately increased at an also moderately lower cost to the importer. Spot quotations reflected the situation when they dropped to the basis of 43c. to 45c. per pound.

Lycopodium—As low as $1.45 per pound bid would find a seller on this market last week but the range was to $2 per pound as to seller and quality and top grade material was said to show a first cost warranting a selling price of at least $2.

Roots

Blood—Much of the recent decline in primary market prices has been reflected in local quotations and the market failed to move further in favor of buyers last week.

Culvers—Inventories in some directions were said to warrant a shading of quotations in view of the fact that the item can be replaced at lower primary market cost this year. The spot market was shaded to the basis of 50c. to 60c. per pound.

Hellebore—Imported root was weaker and lower in a quarter now disposed to take a more competitive position. Black whole root was down to 20c. to 25c. per pound as to seller; ground, 25c to 30c; powder, 27c. to 30c.; white, whole, 30c. to 40c.; powdered, 35c. to 45c.

Lovage — Foreign root was relatively easy on the basis of $1 to $1.10 per pound late last week. Some replacements have arrived and relieved the market from its virtually nominal position.

Mandrake—Spot dealers followed the downward price movements at the origin, albeit they were rather slow in reflecting the much lower prices offered diggers at the origin this year. Spot quotations were reduced to 33c. to 35c. per pound—which seemed still out of line with actual replacement cost at the moment.

Pink—Most suppliers doubted the probability of there being much of a consuming market for this root this year. Chemicals have been replacing it steadily in recent years. The market on spot dropped to the basis of $1.70 to $1.80 per pound when dealers view replacement cost, probable needs, and the certainty of much competition between suppliers.

Rhubarb — Primary market conditions held little to encourage those who hope for a steady outmovement of Chinese root from Hong Kong. If root reached Hong Kong from the interior, means of export seem likely to keep goods moving to the world markets but the danger at present is that war may temporarily at least cut down arrivals at the British crown colony.

Senega—Most sellers said no demand prevailed and some were frank in saying that a firm order might lead to their meeting any reasonable bid by buyers. Open quotations were $1.30 per pound but firm orders at $1.20 would probably be accepted.

Valerian—Belgian root was higher on spot at 45c. to 50c. per pound. This came as the result of sharp advances in the Antwerp market where defaults on recent contracts have taken place and from which has come the news that Germany has been an active buyer. The spot stock of genuine Belgian root was relatively small.

Seeds

Cardamon—All replacement cables were strong and some were higher. Spot stocks of coorges and green cardamom were about exhausted and the market was nominal. No relief from the present situation was in sight.

Colchicum—The spot market was $2.25 to $2.50 per pound and moderately easy because, mainly, of the extremely small demand for spot goods and the limited interest in import parcels.

Coriander—Spot prices moved up a small fraction, reaching 6½c. to 6¾c. per pound under the influence of a relatively small but nevertheless steady demand for immediate deliveries.

Cumin—The sole feature was the offering on spot of Syrian seed that previously had been quoted in future arrival position at 21½c to 22c.

Psyllium—The spot market seemed slightly more competitive. Black French seed was quoted at 23c. to 25c. per pound as to dealer; blonde seed from India, 19c. to 21c.; and husks from India, 45c. to 55c. per pound.

Spices

Cassia—Because of sharp upward reversal of the recent price trend in the China market, spot quotations were raised 1c. to 1½c. per pound at a late hour in the week and the market closed in strong position and in sharp contrast to the recent position. New prices were:—Honan rolls, scraped, 14c. to 14½c. per pound; broken, 13c. to 13½c.; unscraped, 13½c. to 14c.; broken, 12½c. to 13c.; Yunnan rolls, scraped, 14c. to 14½c.; broken, 13c. to 13½c.; unscraped, 13c. to 13½c.; broken, 12c. to 12½c.

Clove—Zanzibar spice on spot was higher at 25½c. to 26c. per pound and the Madagascar item was also raised to 20½c. to 21c. Both were very strong at the origin and certainly lacked weakness in the spot market.

Pepper—Prices continued to rise under the influence of dealer operations and speculative activity was virtually rampant. For example, goods bought a short time back at 97c. per pound for the account of a factor in the southwest were resold at $1.24 per pound last week before the goods had even arrived. Something over $900 profit in that transaction, said its enterpreneur. Late last week, spot black pepper was held at $1.40 to $1.41 per pound and afloats as well as August-September shipment were also quoted at that level. The January-March shipment position was $1.02 to $1.03. Finally, spot white pepper brought $1.70 per pound with little difficulty.

McCormick Votes Stock Split

McCormick & Co., spice house, Baltimore, has voted a split of its common stock, on the basis of one share of common stock and three shares of nonvoting common stock for each of the old shares of common stock. Officials of the company emphasized that this split will not change the rights in the corporation of the holders of common stock, nor will it in any way affect the interest and rights of holders of preferred stock.

Trade Briefs

Angostura-Wupperman Corporation has appointed Mrs. Dione Lucas food adviser.

Paul S. Ousley has joined the staff of the United States Foreign Corporation, New York, as head of its new import department. He was formerly associated with Stein, Hall & Co.

Dr. J. Eldred Hedrick, senior technologist of the Shell Chemical Corporation, has been appointed professor in the School of Chemical and Metallurgical Engineering of Cornell University.

Obituaries

Herman S. Atchison

Herman S. Atchison, retired executive of the Standard Oil Company of New Jersey, died recently in Union Memorial hospital, Baltimore. He was sixty-eight years old. He joined the company fifty years ago as a clerk-salesman and retired three years ago as head of the marine division in Baltimore. During World War I he was assistant to the president of the Standard Oil Company of Louisiana and in World War II was on the Inland Waterways Transportation Committee.

John J. Seiberz

John J. Seiberz, retired druggist and once president of the Louisville College of Pharmacy, Louisville, Ky., died recently in St. Joseph's Infirmary in that city. He was seventy-one years old. He was president of the college from 1913 to 1915 and was on its board of directors for thirty-five years. He served as board secretary for twenty-seven years.

Christopher Agger, port captain for the Gulf Oil Corporation at Gulfport, Staten Island, N. Y., died August 3. He was fifty-four years old.

Martin B. Keenahan, a Far Eastern division member of the Standard Vacuum Oil Company, died of a heart attack recently at his home in River Edge, N. J. He was fifty years old. Mr. Keenan had been with the company twenty-seven years.

Thomas F. Lyon, former assistant treasurer of Cities Service Company, New York, died recently in Long Beach, Calif. He was seventy-six years of age. Mr. Lyon began his career with the Denver Gas and Electric Company. Prior to his transfer to the New York office in 1912, he was associated with other Cities Service affiliates. He became assistant treasurer in 1923 and retired in 1947.

Lewis A. McKee, president of the San Toy Mining Company and purchasing agent for the Standard Oil Company of Pennsylvania, died recently at his home in Hampton, Pa. He was sixty-four years old.

T. Harry Norris, assistant manager of the chartering and traffic division of the marine department of the Texas Company, died recently at Midwood hospital, Brooklyn, N. Y. He was fifty-five years old. He had been with the company thirty-four years.

David A. Schulte, tobacco man and chairman of the board of Park & Tilford, Inc., manufacturer of tints and dyes, perfumes and cosmetics, died recently at his home in Holmdel, N. J. He was seventy-six years old.

Dr. Archie Garfield Worthing, a professor of physics at the University of Pittsburgh since 1925, died in Pittsburgh recently at the age of sixty-eight.

Soap and Toilet Goods Imports, Exports: Jan.-Mar.

Statistics on United States imports and exports of soap and toilet preparations during the first three months of 1949, as compared to the corresponding period last year, have been compiled by the Department of Commerce. The data are as follows:—

Imports

	January-March 1949	January-March 1948
Soap	$30,123	$48,361
Perfume materials	440,777	436,920
Perfumery and toilet waters[1]	206,238	299,884
Total	$727,138	$835,165

Exports

Soap	2,523,738	3,030,792
Dental creams	871,560	839,425
Other dentifrices	24,567	22,546
Toilet powders	564,847	671,935
Creams, rouges and cosmetics	505,835	627,494
Manicuring preparations	68,900	98,267
Depilatories, deodorants	43,424	53,229
Hair preparations	411,518	721,046
Perfumery, toilet waters	201,928	346,470
Other toilet preparations	172,867	355,902
Total	$5,389,184	$6,665,706

[1] Includes toilet waters, bath salts, and articles of perfumery for hair, mouth, teeth, etc.

Trade Briefs

Charles C. Bryan, resident partner of Firmenich & Co., essential oils and aromatic materials, New York, recently returned to this country after attending the company's annual directors meeting in Geneva, Switzerland.

Bayer Company Division, Sterling Drug, Inc., has introduced a new children's size "Bayer" aspirin tablet which will be marketed nationally. It will be of two and one-half grains instead of five as in the standard size tablet.

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Essential Oils, Other Aromatics

Higher replacement costs on bergamot and Java citronella oil were reflected in the spot prices for those oils in the local essential oil market. News of the week included adverse reports concerning peppermint distillation already begun in Indiana; discouraging prospects for the spearmint crop of 1949; some strengthening in the position of apricot kernel oil; a few signs of a gathering demand for oils used in food processing; firmer positions on anise and cassia oils without prices rising; higher spot prices on cloves for oil manufacture; a remote sign of possible easing in lime oil once shipments start; and a sustained interest in practically all citrous oils. The market index rose 1.7 points, becoming 107.5 in comparison with 115.5 prevailing a year ago following a drop of 4.3 points. The general market was steady and most prices held unchanged.

Cables from Reggio reported that the consortium controlling the sale of bergamot oil had raised its prices and, of course, spot dealers in the article upped quotations. In fact, some of them had previously and quietly advanced prices, possibly in anticipation of the consortium development just mentioned. One dealer with a remarkably sound spot position to maintain said that the Italian should now do something to end the adulteration of Italian lemon oil to which end an effective consortium might not be a bad idea.

The market held some signs of an improvement in sales of oils mainly consumed by the perfume, cosmetic and food trades. Just how far the production of finished products for the holiday trade will raise demand for essential oils and other raw materials was uncertain but at least a beginning had been made. It was said last week that more inquiry for perfumers oils had developed and that fact, plus general stability in shipment prices at the several origins, may have accounted for the well maintained prices on the spot market last week.

Market Trends

Prices Advanced

Bergamot, 35c. per lb.
Citronella, Java, 30c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
107.5	105.8	102.5	115.5

(For Current Prices see Page 9)

Essential Oils

Almond—Though the spot supply was not large, it appeared so improved as to create a market of easier undertones and also one in which prices were none too firm at the most recent quotation of $3.85 per pound minimum.

Apricot Kernel—Basically, the market was steady to firmer and some quarters showed a moderate tendency toward advancement of their quotations. However, most suppliers repeated previous quotations but admitted the market to be less competitive.

Bergamot—Reports reaching this country brought news of a price rise having been made officially by the consortium in the primary market. It would appear, therefore, that the recent upward trend of spot prices had been fully warranted. At the end of last week, prices were still higher at $4.35 to $4.50 per pound.

Bois de Rose—Prices were not raised further but the undercurrent was rather strong regardless of the currently small takings of manufacturing consumers and local quotations were declared to be in line with current replacement costs.

Cajeput—Several former suppliers were still lacking supplies and others held none too much of this not especially active oil, according to local reports noted during the past week. In fact, to a considerable extent the market as quoted was about nominal.

Camphor—Stocks were plentiful and requirements of most consumers were covered for the time being at least. Therefore, selling during the past week centered mainly on jobbing quantities and not a great deal of that sort of business prevailed. Prices were quiet but reasonably steady in the absence of any change in the position of the article in the primary market.

Caraway — Cables from the primary market did not show signs of possible price decline and probably won't unless something now unforseen should happen to the cost of raw material. Current demand was moderate and a Fall pickup was confidently expected by many.

Cardamom — No weakness nor suggestion of pending developments in that direction prevailed last week. Everything seemed to hinge on raw material costs and, like most Far Eastern merchandise, the prices on primary market stocks of seed were high and strong.

Cassia—Local prices remained steady. Potentially, the market seemed pointed toward a stronger position and such a development would probably come should shipments of oil from the interior cease to reach Hongkong. The future depends on what happens in China. Meanwhile oil on spot was firmly held in price regardless of the not substantial demand last week.

Cedarwood — Open quotations lacked change but they did not appear to receive much support in the form of demand. Trade was quiet.

Citronella—The fact that spot stocks of genuine Java oil were low and not readily replaceable probably was the cause of a minimum price of $1.85 per pound being established in quarters able to supply the item. Java type oil, obtained from the western hemisphere, was higher at $1.55, an indication that its replacement cost was higher.

Clove—Nothing suggests that clove spice will be more abundant than it was during the last crop nor does anything point to the likelihood of prices being any lower. Therefore, oil prices remained strongly maintained under the added support of a fair demand from numerous manufacturing consumers.

Cubeb—The market was steady mainly because present stocks of oil were made from berries occupying a considerably higher price position than they do at the present time. In fact, the price of berries declined again last week. Competition may increase to the extent of bringing lower prices on oil when oil is made from the lower cost raw material.

Dill—Practically no seed oil was available nor did much effort seem to be expanded on getting oil from India to this country. Interest centered directly on weed oil and there were those who, last week, had an idea that prices would go still lower.

Geranium—Strength continued to dominate primary markets and no signs of unsettlement locally were noted last week. In fact, though actually unchanged, prices had an upward tendency that corresponded in the main with the situation at the origin. Demand was rather routine but it was also slightly improved.

Ginger—The situation with respect to raw material may continue for a long time to come. Growing of the root in the West Indies is beset with pests and blights that have caused what appears to have been permanent damage. That fact, plus excellent world-wide demand, and if continued, appeared to forecast a higher price that some think may become "normal" value.

Grapefruit — Limitations on demand seemed to have brought more competition into being last week, although open quotations were retained without quotable change at the end of the period. Yet, a moderate tendency toward buyers' favor was reported.

Lavender—Based on what flowers cost, the production cost of this oil has been higher and for that reason a firmer undertone seemed to govern the primary market position of flower oil. Locally, prices were steadier even though they lacked actual change. Demand was moderate but signs of a future gain were not lacking.

Lemon—Movement continued to be very good and on the whole the market had a steady to firm price position. Furthermore, reports concerning the position of Italian oil at the origin did not suggest any weakness under development. Also, they did not reveal definite elimination of adulteration of export parcels, a practice that has hurt the reputation of many brands of Italian oil.

Lemongrass—More of strength than anything else seemed to govern the replacement position of this material and for that reason spot dealers held firm price views regardless of the not overly pressing demand arising from consumers last week. Sellers were disposed toward moderate reserve in making offerings.

Lime—Though not translated into ac-

For Late Market Developments, See Page 4

ual spot price decline, signs of a developng easier position with respect to the replacement prospects were faintly seen ast week and unless replacement costs hall rise, the next movement in spot uotations should favor buyers for conumption. Meanwhile, small spot stocks nd virtually nominal spot prices coninued in effect.

Nutmeg—Leading producers of this rticle held unchanged prices for the ost part and since raw material costs ave not shifted, the general market conition was one of steadiness in response o a steady if not large flow of new orders o the spot.

Orange—Steady prices and moderate ut also steady demand from manufacturng consumers were seasonal conditions hat remained unchanged during the past eek. Sellers appeared to hold ample tocks of low cost, but high quality, oil and rompt deliveries were being made under onditions that have also been and still ere favorable to buyers for consumption.

Peppermint—Pending the naming of ew crop prices, the market on this article romised to remain virtually at a standtill. Freezes, high winds, and bugs have een reported besetting the eastern growng areas one after the other but sellers n this market have not lacked declaraons to the effect that the freezes came oo early materially to damage the 1949 rop. Which statement was definitely opposed to the last crop report made by the ureau of Agricultural Economics. Indiana oint, according to that report, was hurt nore than that in Michigan. Prospects in regon have improved and the crop in ashington state looks better. The harest has begun in Indiana and yields thus ar reported vary widely.

Spearmint — Some reports indicated hat the prospects for a good-sized produc- this year were less favorable than had een supposed. Damage by adverse eather conditions was believed to have een greater than had been supposed arlier. No tendency toward further weakess in spot prices was noted last week.

Sweet Birch—A moderate amount of omplaining about the low prices at which ome firsthand producers had been selling uture deliveries of new crop oil was curent on spot last week but the price for outhern oil on the spot failed to change.

Aromatic Chemicals

Geraniol—The firmer market on raw material has had a firming effect on the rices for this article regardless of the not specially active demand for prompt deliveries.

Linalyl Acetate—Bois de rose has had firmer tendency of late and prices have been actual, if but moderately, advanced n the spot. Therefore, linalyl acetate nade from rosewood oil was at least teadier if not actually firmer.

Musk—Stocks of synthetic material were reported ample in size and fully equal to the probable requirements of manufacturing perfumers for some time o come. Prices seemed steady last week.

Phenylethyl Acetate — Demand was mainly for small lots and suggested that many consumers were inclined to buy only on a hand-to-mouth basis. Competition was fairly active.

Safrol—Ample stocks were in hand and on the basis of a relatively low cost to produce, the available supplies were none too steady in price, especially in view of the not expansive demand from manufacturing consumers.

Dominion Engages Krol

Dominion Products, Inc., manufacturing chemist, Long Island City, N. Y., has appointed Adam T. Krol chief chemist and production manager of its aromatic chemicals division.

Felton Names Leonard Tex., La. Representative

Felton Chemical Company, essential oils and aromatic chemicals, Brooklyn, N. Y., appointed James Leonard to represent it in Texas and western Louisiana. He will make his headquarters at 1207 South Industrial street, Dallas, Tex., where stocks of the company's products will be carried.

In addition, the company has transferred David Marso from its Brooklyn headquarters to Atlanta, Ga., and has assigned him to cover the southeastern states. Leo C. Weinrobe will continue to service Missouri, Kansas, Oklahoma and Arkansas from headquarters in St. Louis, and will act in a general supervisory capacity for the southern territory.

Aldrich Wins Golf Honors At Boston BIMS Tourney

E. E. Aldrich, United Drug Company, turned in first low net score at the recent golf outing of the BIMS of Boston at the Weston Golf Club, Weston, Mass. Second low net was scored by M. E. Nourse, Howe & French, Inc., and the first prize for kickers went to G. O. Linberg, Monsanto Chemical Company. Second kicker's prize was taken by W. E. Johnson, U. S. Industrial Chemicals, Inc., and third prize went to H. C. Green, L. Sonneborn Sons, Inc.

Aromatic Chemicals Imports: Jan. - Mar.

A report on total imports of aromatic chemicals into the United States during the first three months of 1949, as compared to the corresponding period of 7948, has been released by the Department of Commerce. Import figures, in pounds, are as follows:—

	January-March 1949	1948
Enfleurage greases	.....	794
Floral essences and concretes	1,027	613
Ambergris	2	77
Anethol, citral, heliotropin (except from coaltar), ionone, and rhodinol	115	.....
Geraniol	31	35
Castoreum[1]	55	...
Civet[1]	235	291
Musk, in grain or pods	60	203
Hydroxycitronellal	250	7
Linalyl acetate	.....	86
All natural or synthetic odoriferous or aromatic chemicals, n.s.p.f.	320	1.856
All mixtures containing essential oils, natural or synthetic odoriferous aromatic substances	12.956	7.955
Total	15,254	11,947

[1] Converted from ounces to pounds.

D. & O. Advances Dowling

Dodge & Olcott, Inc., essential oil house, New York, has appointed Arthur L. Dowling assistant secretary. Mr. Dowling, who joined the company in 1946, was formerly assistant sales manager and advertising director.

Trade Briefs

Van Ameringen-Haebler, Inc., perfume raw materials, New York, has leased space for offices, laboratories and storage at 521 West Fifty-seventh street.

Leeds & Northrup Company, apparatus manufacturer, Philadelphia, has elected Joseph C. Hess jr. vice-president in charge of production.

Revlon Export Corporation has named Edmund F. Buryan manager, according to an announcement from Martin Revson, vice-president in charge of sales of the Revlon Products Corporation.

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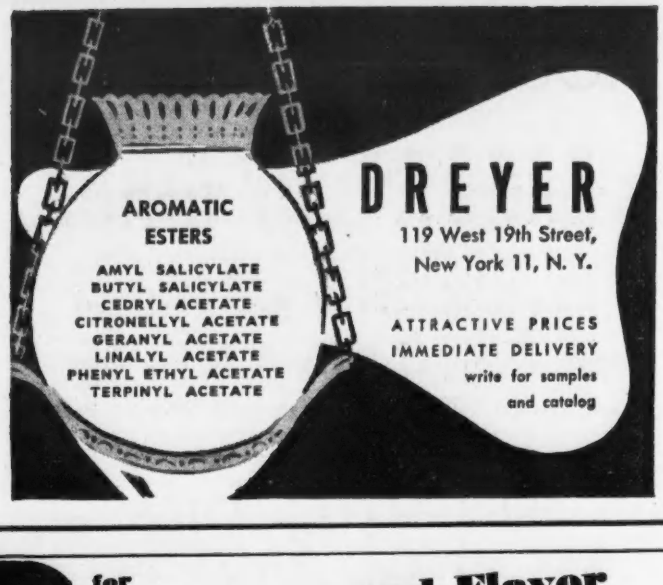

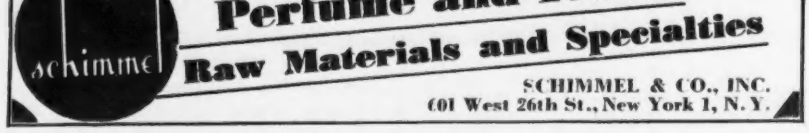

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Quaker Oats Patents Offered for Licensing

The latest issue of the United States Patent Office register of patents available for licensing or sale includes three owned by the Quaker Oats Company, 141 West Jackson Boulevard, Chicago 4. These cover conversion of maleic acid to fumaric acid (2,441,238), furfuryl alcohol-phenolic resins (2,453,704), and condensation of polymerized furfuryl alcohol with a hydroxybenzene (2,456,628).

Plastics Materials Output, Sales: 1948

Statistics on production and sales of plastics materials during 1948 have been issued by the Tariff Commission in its reports on the synthetic organic chemicals industry. The data, in pounds on a dry basis[1], are as follows:—

	Production	Sales
Benzenoid		
Total	918,201,000	744,644,000
Phthalic alkyd resins, total	238,809,000	127,421,000
Unmodified, total	176,120,000	79,453,000
Phthalic anhydride-glycerol	136,863,000	59,499,000
Phthalic anhydride-pentaerythritol	25,856,000	13,971,000
Phthalic anhydride-glycerol-gylcol	1,109,000	.....
Phthalic anhydride-glycol-pentaerythritol	3,673,000	3,657,000
Phthalic anhydride-glycerol-pentaerythritol	6,966,000	1,159,000
All other unmodified phthalic alkyd resins	1,653,000	1,167,000
Modified, total	62,689,000	47,968,000
Except rosin ester modified, total	37,782,000	31,736,000
Phthalic anhydride-maleic anhydride-glycerol	9,565,000	7,115,000
Phthalic alkyd resins modified by phenol-formaldehyde	2,634,000	1,120,000
All other phthalic alkyd resins, except rosin ester modified[2]	25,583,000	23,501,000
Rosin ester modified, total[3]	24,907,000	16,232,000
Phthalic anhydride-glycerol-rosin ester	12,080,000	7,376,000
Phthalic anhydride-pentaerythritol-rosin ester	3,659,000	2,586,000
Phthalic anhydride-maleic anhydride-glycerol-rosin ester	954,000	455,000
Phthalic anhydride-pentaerythritol-tall oil-rosin ester	1,002,000	.....
Phthalic anhydride-pentaerythritol-glycerol-glycol-rosin ester	2,276,000	1,524,000
All other rosin ester modified phthalic alkyd resins	4,936,000	4,291,000
Phenolic and other tar-acid resins, total	375,601,000	325,836,000
Phenolic resins, except mixed phenolics, total	340,357,000	302,470,000
Unmodified, total	289,903,000	254,857,000
p-tert-Butylphenol- and p-tert-amylphenol-formaldehyde	3,772,000	3,587,000
Cresol-formaldehyde	3,713,000	2,738,000
Phenol-formaldehyde	253,742,000	220,856,000
Resorcinol-formaldehyde	405,000	380,000
All other	28,271,000	27,296,000
Modified, total	50,454,000	47,613,000
Except rosin ester modified, total	6,111,000	5,139,000
Phenol-formaldehyde-aniline	1,580,000	651,000
All other[4]	4,531,000	4,488,000
Rosin ester modified, total	44,343,000	42,474,000
p-tert-Butylphenol-formaldehyde-rosin-esters	6,303,000	5,118,000
Phenol-formaldehyde-rosin and rosin esters	23,032,000	22,362,000
Bisphenol-formaldehyde-rosin esters	10,367,000	10,341,000
All other	4,641,000	4,453,000
Mixed phenolic resins, total	35,244,000	23,366,000
Unmodified, total	31,583,000	20,709,000
Phenol-p-tert-butylphenol-formaldehyde	3,333,000	2,994,000
Phenol-resorcinol-formaldehyde	380,000	394,000
Phenols-cresols-formaldehyde	7,482,000	4,732,000
Phenols-cresols-xylenols-formaldehyde	4,461,000	.....
Cresylic acid-formaldehyde	1,846,000	.....
All other	14,081,000	12,589,000
Modified	3,661,000	2,657,000
Styrene and styrene derivative polymer and copylymer resins, total[5]	164,676,000	155,141,000
Polystyrene resins	140,484,000	135,126,000
All other styrene and styrene derivative polymer and copolymer resins	24,192,000	20,015,000
All other benzenoid plastics and resin materials[6]	139,115,000	136,246,000
Nonbenzenoid		
Total	562,675,000	494,887,000
Alkyd resins, total	45,693,000	40,080,000
Unmodified[7]	6,045,000	5,575,000
Modified, total	39,648,000	34,505,000
Except rosin ester modified[8]	2,369,000	1,770,000
Rosin ester modified, total[13]	37,279,000	32,735,000
Fumaric acid polyesters, total	1,675,000	1,506,000
Fumaric acid-glycerol-rosin ester	1,257,000	.....
All other	418,000	.....
Maleic anhydride polyesters—		
Maleic anhydride-glycerol-rosin ester	16,239,000	14,903,000
Maleic anhydride-glycerol-pentaerythritol-rosin ester	3,148,000	.....
Maleic anhydride-pentaerythritol-rosin ester	13,163,000	.....
All other	3,054,000	16,326,000
Rosin adduct resins	4,696,000	4,252,000
Rosin esters, total	79,138,000	59,532,000
Rosin (abietic acid)-glycerol	35,146,000	32,604,000
Rosin (abietic acid)-pentaerythritol	22,860,000	15,753,000
Tall oil esters	2,079,000	1,108,000
All other	19,053,000	10,067,000
Urea and melamine resins, total	149,682,000	139,663,000
Urea-formaldehyde type, total	125,254,000	115,984,000
Urea-formaldehyde	110,107,000	105,988,000
Urea-formaldehyde type, other[9]	15,147,000	9,996,000
Melamine-formaldehyde type[10]	24,428,000	23,679,000
Vinyl and vinyl copolymer resins, total	218,237,000	194,787,000
Polyvinyl acetate	24,000,000	14,371,000
Polyvinyl chlorides and copolymers	173,234,000	161,646,000
All other[11]	21,003,000	18,770,000
All other nonbenzenoid plastics and resin materials[12]	65,229,000	56,573,000
Grand total	1,480,876,000	1,239,531,000

[1] Dry basis, for the purpose of this report, is defined as the total weight of the plastic or resin material, including resin, plasticizers, extenders, fillers, coloring agents, and stabilizers, but excluding solvents, water, and other liquid diluents.

[2] Includes data for phthalic alkyd resins modified by styrene or dibasic acids. Those modified by oils or fatty acids only are not included.

[3] Alkyd resins modified with rosin are classified as rosin ester modified resins because of radical interchange. Tall oil esters are also included as rosin ester modified resins.

[4] Includes data for phenolic and other tar-acid resins modified with sulphonic acid, coumarone-indene, vinyl resins, and oils.

[5] Includes data for modified and unmodified styrene polymerization and condensation resins.

[6] Includes data for aniline-formaldehyde, coumarone-indene, petroleum polymer and condensation, toluenesulphonamide, and other benzenoid plastics and resins.

[7] Includes data for cyclopentadiene resins, and polyesters of azelaic, maleic, sebacic, adipic, citric, fumaric, and succinic acids.

[8] Includes data for mixed polyesters of dibasic acids, and modifications with styrene and phenolics.

[9] Includes data for substituted and modified urea-formaldehyde resins. Mixed urea and melamine resins are included in the statistics for melamine-formaldehyde type resins.

[10] Includes data for substituted and modified melamine-formaldehyde resins, and for mixed urea and melamine resins.

[11] Includes data for polyvinyl butyral, formal and alcohol, and for polyvinyl ethers.

[12] Includes data for acrylic, furfural-furfural, polyamide (Nylon), polyethylene, silicone, and other plastics and resins.

Note—The statistics on sales of synthetic plastics and resin materials shown in the above table for 1948 do not include the value of interplant transfers as do the statistics previously issued by the commission for 1947 and earlier years. As already indicated, the statistics on production and sales of molding materials are on a dry basis (see footnote[1]). Statistics on production and sales of molding materials issued by the commission for 1947 and earlier years were on the basis of net resin content, i.e., the weight of fillers and unreacted modifiers were not included. The only figures in the above table which were substantially affected by this change in the basis of reporting were those for "Phenolic and other tar-acid resins."

The interplant transfers included in the sales data for 1947 and earlier years probably accounted for not more than about 10 percent of the quantity and value of the total of sales plus transfers. Except for "Phenolic and other tar-acid resins," the statistics on production and sales given in the above table are substantially, though not strictly, comparable with statistics given on production and sales for 1947 and previous years. As regards "Phenolic and other tar-acid resins," neither the statistics on production nor those on sales given in the above table should be compared with statistics previously issued by the commission on production and sales of such materials.

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Protective Coatings Materials

Price movements in this market consisted of upward adjustments on pigments and downward movements in alkyl sebacate plasticizers. It was noted also that spot linseed oil was down 1 cent per pound, although September delivery material was unchanged. Litharge, red leads, and orange mineral pigments advanced ¼c. per pound early last week promptly reflecting the similar advance in lead metal. Metallic lead paste advanced ½ cent as a result of accumulated metal advances since the last price change. Price advances in zinc oxide and leaded zinc oxides, as well as pure and extended zinc sulphide pigments, announced the previous week, went into effect August 1. The sebacate plasticizers were reduced from 1½ to 4½ cents per pound, depending upon the alkyl type. The index advanced 3.0 points becoming 207.7.

Demand for white pigments was currently heavy and the supply situation for such items as leaded zinc pigments had tightened accordingly. Back of the heavy demand, which could only be regarded as temporary, was the matter of inventory replacement. Paint dealers had held off buying beyond immediately necessary requirements over recent months, in anticipation of paint price declines which were at that time expected to stem from significantly lower linseed oil prices expected to develop at the lapse of government high parity on flaxseed. While this reason for buyer hold-out did not fully materialize, there was a weakening of the oil markets, which, together with repeated declines in lead and zinc based pigments made the recent industry-wide paint price reductions possible.

Immediately thereafter, dealers ordered substantial amounts of material to replenish their seriously depleted stocks and take care of additional expanded business as a result of lower paint prices. The consequent pressure of demand on paint manufacturers for delivery caused heavy demands for leaded zinc and other white pigments. Manufacturers stocks of leaded zinc were soon depleted and shipments are currently being made essentially from production. However, when the inventory gap is filled, there was no reason to believe that demand would continue any stronger than it has been in recent months.

The spurt in trade sales buying touched off by lower paint prices, carried with it the tendency to extend buying into other than pigmented materials. The shellac producers reported a strengthening demand which was expected to become stronger this Fall.

Meanwhile, alkyd resins continued to move in a slow market where conditions were acutely competitive and production capacity was estimated to be roughly twice current consumption. A decline in phthalic anhydride production of 41.7 percent from January to May indicated what had happened to the alkyd resin market.

Synthetic resins of virtually all types were in plentiful supply.

Producers of organic and inorganic chemical colors were still operating under a heavier than normal demand because of the continued strike in the plants of a major producer.

Pine Gum Prices

Prices received by producers for crude pine gum delivered to processing plants during the week ended July 30 averaged $21.19 per standard barrel of 435 pounds, it was announced on Friday by the Department of Agriculture. This compared with an average price of $21.28 for the previous week. The average estimated content per standard barrel was 11.40 gallons of turpentine and 298.3 pounds of rosin. Percentages of gum by grade: WW, 51; WG, 17; N, 11; and K and below, 10 percent. Receipts at eighteen reporting plants totaled 27,705 standard barrels, an average of 1,539 barrels per plant, as compared with 1,529 barrels a week ago.

Market Trends

Prices Advanced

Lead, red, all grades, ¼c. per lb.
Litharge, ¼c. per lb.
Metallic Lead Paste, ¾c. per lb.
Orange Mineral, ¼c. per lb.
Rosin, gum, Savannah, W—X, 7c. per 100 lbs.
Turpentine, gum, Savannah, 1½c. per gal.
Zinc Oxide, pure, 1c. per lb.
5% leaded, 1c. per lb.
Sulphide, pure, 1c. per lb.
Barium extended, ¼c. per lb.
Calcium extended, ¼c. per lb.
Magnesium extended, ¼c. per lb.

Prices Reduced

Dibenzyl sebacate, 2½c. per lb.
Dibutoxyethyl sebacate, 1½c. per lb.
Dibutyl sebacate, 4½c. per lb.
Dicapryl sebacate, 3c. per lb.
Dihexyl sebacate, 2½c. per lb.
Dimethyl sebacate, 3c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
207.7	206.5	201.8	202.5

(*For Current Prices see Page 9*)

Prime Pigments

Chrome Colors—There was no change in the price structure of chrome greens, yellows, or oranges last week. In view of the advancing lead metal market, it was felt in some quarters that there should soon be an upward price adjustment made in chrome colors because there have been several metal advances since the latest pigment price changes. While chrome pigments did not decline with each decline in lead metal on its way down, nevertheless, there were some changes, and costs of manufacture remain high. Accordingly, absorption of increased metal costs could not go on indefinitely, it was said, and any further lead advances were likely to affect the current price structure.

Demand on producers was currently pressing because of the continuation of a strike in the plants of a major producer, but even so the supply situation could not be described as tight. Settlement of the strike, it was said, would quickly end the pressure of additional demand on operating producers.

Production of chrome green pigments was reported by the Bureau of Census as amounting to 456,000 pounds in May of this year, compared with 1,097,000 pounds during May of 1948. Output of chrome yellow and chrome orange pigments in May totaled 2,004,000 pounds, compared with 3,871,000 pounds in May of last year. May production of molybdate chrome orange was reported as 347,000 pounds, compared with 577,000 pounds in May of 1948. Production of zinc yellow in May of this year was 333 tons, while May a year ago output stood at 413 tons.

Lead, Metalic Paste—The price of this pigment material moved upward ¾c. per pound last week, reflecting the recent advances in the strengthening metal market. On an f.o.b. western plant basis, prices were quoted at 28¾c. per pound in lots of 20,000 to 40,000 pounds, and 29¼c. for 10,000 to 20,000 pound quantities, while 2,000 to 10,000 pound lots were priced at 29¾c. and less than ton lots at 30¼c. Prices ex Jersey City warehouses were quoted 4½c. higher.

Litharge—Reflecting the ¼c. price advance in metal early last week, the price structure of lithage promptly moved upward ¼c. per pound. This brought quotations in carlots to 16½c. and in less carlots to 17½c. Supplies were said to be sufficient to meet consuming demand.

Lithopone—This pigment which is used primarily in interior finishes was not advanced along with the other zinc pigments on August 1 due to the slow demand, the heavy inventories on hand, and the general business situation currently prevailing in this market. Titanated lithopones were likewise unchanged.

Mineral Orange—This high lead content pigment was promptly advanced ¼c. per pound last week, following the rise in metal which early in the week moved upward ¼c.

Red Lead—Reflecting the ¼c. advance in metal early last week, the price of the various grades of red lead was advanced ¼c. per pound thus promptly reflecting the metal market.

On a carlot basis, the 95 percent grade was quoted under the new schedule at 17½c. per pound, the 97 percent grade at 17¾c., and the 98 percent grade at 18c. Supplies were reported to be ample to meet current needs.

White Lead—Basic carbonate white lead and basic sulphate white lead held to former price levels and did not move

For Late Market Developments, See Page 4

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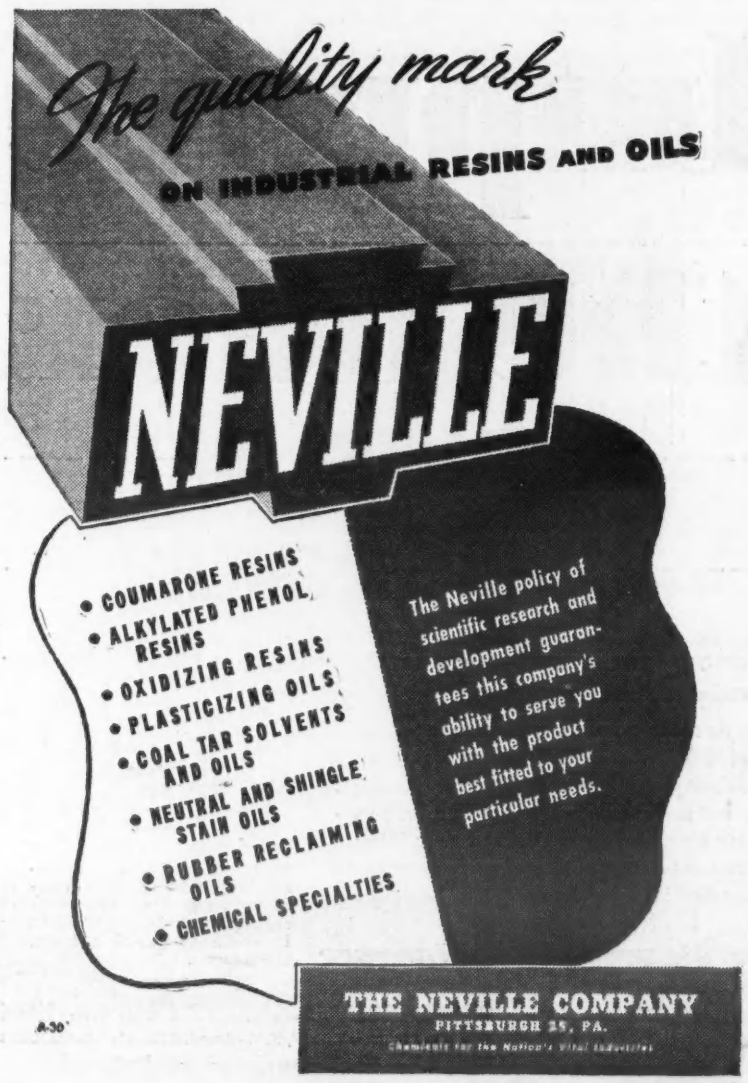
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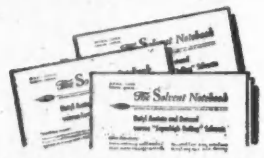

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to reflect the rise of ¼c. per pound in metal early last week.

Demand for these pigment was reported as stronger in recent weeks as a result of heavy trade sales buying in the paint industry. The spurt in paint business was regarded in informed circles as a temporary thing, likely to last only as long as it takes to fill up the inventory gap which had developed in anticipation of lower paint prices and the consequent deferred buying.

Zinc Oxide—Effective August 1 the price of all grades of pure and 5 percent leaded zinc oxide was advanced 1c. per pound. This reflected the accumulation of rises in zinc metal which occurred in July during which time zinc oxide prices were guaranteed until the end of the month. Meanwhile the price of 35 and 50 percent leaded zinc oxides were advanced 1⅜c. per pound, reflecting July accumulations of metal advances in both lead and zinc.

The supply situation in leaded zinc was reported as moderately tight due to the flood of orders over recent weeks. This situation, however, was felt in most quarters to be a temporary situation which would likely be over in early Fall. Back of the spurt in the demand for leaded zinc was the following situation:—

During the Spring months purchases of trade sales paints were held to immediate needs, and paint dealers did not stock house paints beyond a certain minimum, in anticipation of a decline in paint prices which it was believed at that time would develop as a result of possible lower linseed oil prices and the expected lapse of government price pegging on flaxseed. While this reason for buyer holdout did not fully materialize, what did happen was a series of price declines on lead and zinc metal which led to repeated price reductions in zinc and lead containing pigments, which together with a moderate weakening of oils, made possible the recent industry-wide price declines in trade sales paint prices.

Immediately following these paint price declines, dealers placed orders to replenish their deleted inventories, and paint manufacturers were under heavy pressure for paint deliveries, with a consequent sharp increase in demand for leaded zinc pigments by the paint manufacturers. The accumulated substantial inventories of leaded zinc producers were promptly wiped out, and material was currently being shipped essentially direct from production.

Accordingly, the good business volume in paint now is not indicative of a general upturn in business, but a spurt to replace deleted inventories from the long period of slow business immediately preceding the slash in paint prices. When the inventory gap is filled, demand was expected to return to a level considerably below that of a year ago.

Under the new price schedules, carlot bag quantities of pure zinc oxide and 5 percent leaded oxide advanced from 10c. to 11c. per pound on the American process material, and from 12¼c. to 13¼c. on the French process grades. Zinc sulphide of the pure type moved upward from 12¼c. to 13¼c., and the barium, calcium and magnesium extended zinc sulphide pigments advanced ¼c., moving from 7¾c. per pound in carlots to 8c.

Fillers and Extenders

Magnesium Silicate—Demand for certain domestic grades of uniformly good color and controlled particle size was said to be well sustained at a good level, particularly under the present spurt in demand for white and light colored house paints. Meanwhile the supply situation on most other grades of domestic and imported materials was one of abundance. Prices were firm and unchanged from previous schedules, with no change expected in the immediate future.

Synthetic Resins

Alkyd Resins—Demand for these materials was described as still running at a low level. The market was keenly competitive because of the over production which prevailed. It was estimated that the production capacity in this country for producing alkyd resins was nearly twice that of current consumption. Accordingly, prices had been reduced to a point where profits were near the vanishing point. This slow demand situation has characterized the market for several months, and the decline in the production of phthalic anhydride is representative of what has been occuring in the alkyd resin market. January output of phthalic anhydride stood at 16,294,597 pounds. In May it was down to 9,507,421 pounds, a drop of 41.7 percent.

Ester Gum—This glycerol ester of rosin whether made from gum rosin or wood rosin was in abundant supply, against which there was reported a sluggish demand. Prices were firm at levels prevailing over recent weeks in which carlots were quoted at 13c. per pound, and less than carlot quantities at 13½c.

Melamine and Urea Resins—The demand for melamine and urea-formaldehyde resins as vehicle modifiers for industrial baking finishes was off from former levels because of the slowing of operations in certain sections of the industrial finishing field. The market for refrigerators and similar appliances was becoming fairly well saturated and inventories were accumulating. There was a lessened demand for white baking enamels as a result of lower appliance output. However, the sustained high production in the automotive field tended to offset these declines somewhat.

Phenolic Resins—Ample quantities of almost every grade of resin, either pure or rosin modified, were on hand. Shipments in virtually any quantity could be made promptly. Demand was sluggish and expected to remain so during the Summer months, with the prospect of an improved demand situation in early Fall.

Natural Resins

Shellac — Shellac prices remained unchanged last week. Demand was said to be showing indications of greater strength, and processors were inclined to feel somewhat optimistic about the weeks immediately ahead, and particularly in the early Fall. An increased volume of business, regardless of how small, was welcome because of the quiet conditions which have prevailed in this market over recent months.

Naval Stores

Gum rosin prices fluctuated mildly during the week, but there were no spectacular changes. Turpentine was up and down fractionally. The United Kingdon board of trade recently issued a reminder to retailers that import licenses for turpentine are issued subject to the condition that retail sales are only made for medical, veterinary and pharmaceutical use. Apparently the dollar shortage does not permit the importation of turpentine for use in paints.

Consumption of naval stores during the Summer months has been at a low level, and there was little hope of improvement in the market until early Fall. However, the inventory position of consumers was generally regarded as low, and resumption of buying for inventory replacement was believed imminent.

The record of the gum naval stores markets over the week ended August 5 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	$5.75	$5.75	$5.75	$5.75	$5.75	$7.10 $7.85
D	6.00	6.00	6.00	6.00	6.00	7.10 7.85
E	6.36	6.36	6.36	6.36	6.36	7.45 8.20
F	6.42	6.42	6.42	6.42	6.42	7.45 8.20
G	6.42	6.42	6.42	6.42	6.42	7.45 8.20
H	6.44	6.44	6.44	6.44	6.44	7.45 8.20
I	6.44	6.44	6.44	6.44	6.44	7.45 8.20
K	6.44	6.44	6.44	6.44	6.44	7.45 8.20
M	6.44	6.44	6.44	6.44	6.44	7.45 8.20
N	6.44	6.44	6.44	6.44	6.44	7.45 8.20
WG	6.44	6.44	6.44	6.44	6.44	7.45 8.20
WW	6.45	6.51	6.49	6.52	6.52	7.65 8.40
X	6.45	6.51	6.49	6.52	6.52	7.65 8.40

	Drums				
Sales	100	200	300	200	
Receipts	952	360	343	227	701
Shipments	3,450				
Stocks	28,397	28,757	29,100	28,997	29,678

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal.	.36	.36¼	.37	.37	.37½	.44 .52½
Sales, bbls.	160	320	400	320	320	
Receipts, bbls.	450	172	471	64	3	
Shipments, bbls.	1,017	8	99	90	180	
Stocks, bbls.	8,666	8,830	9,200	9,038	8,861	

Lacquer Materials

Plasticizers—Reflecting a reduction of 5 cents per pound in purified-sebacic acid, the various alkyl and aryl sebacate plasticizers were reduced in price effective August 1. The new price schedules on the different sebacates were as follows:

Dibenzyl sebacate was reduced 2½ cents per pound. This brought the quotation on tankcars to 65 cents per pound, while drum carlots were quoted at 66½ cents and less than carlot drum quantities at 67 cents.

Dibutoxyethyl sebacate was reduced 1½ cents per pound. Quotations under the new schedule listed tankcars at 54 cents per pound, carlot drum shipments at 55½ cents, and less carlots at 56 cents.

Dibutyl sebacate declined 4½ cents per pound by virtue of the reduction in sebacic acid and the recent reduction in butyl alcohol. The new price schedule on this sebacate plasticizer is 49½ cents per

pound in tankcars, 51 cents in drum carlots, and 51½ cents in less than carlot drum shipments.

Dicapryl sebacate was lowered 3c. per pound, bringing the tankcar price down to 53c. per pound, while drum carlots were listed at 54½c. and less than carlots at 55c.

Dihexyl sebacate moved down 2½c. per pound. This made the new lower price schedule 41c. per pound in tankcars, 42½c. in drum carlots, and 43c. in less than carlot drum quantities.

Dimethyl sebacate was reduced 3c. per pound, bringing tankcar listings down from 71c. per pound to 68c. The carlot price under the new schedule was listed at 69½c., and less than carlots at 70c.

Miscellaneous Materials

Graphite—This material was in abundant supply in a generally quiet market. Imports last week amounted to 1,498 bags arriving from Colombo and Mozambique.

Lead Driers—Lead naphthenates, resinates, linoleates, oleates, and tallate were still unchanged in price last week, but were subject to change at any moment because of the accumulating increases in metal prices. Manufacturers were reluctant to advance prices with the frequent changes in the lead market, and were inclined to absorb costs in between their price adjustments. However, in view of the narrow profit margin in lead driers, and the number of metal price advances since the last drier adjustment, some upward price movement was soon expected.

Soybean Protein—The price of the mechanically refined grade of this material will be advanced ½c. per pound effective August 13, it was announced last week. The raw material for manufacturing this protein is soybean meal and flakes, the prices of which have advanced, while oil prices remain low. Accordingly, an upward price adjustment in protein was necessary.

Dark Paint Specification Proposed by Federal Board

The Federal Specifications Board through its committee on paint, varnish, lacquer and related materials issued a proposed revision of Federal Specification TT-P-81-a for ready mixed exterior paint of dark shades on a white base. The main purpose of the revision is to allow the specification of dark shades of paint, other than olive drab, on a lead-zinc base.

Copies of the proposed specification may be obtained from, and your comments on the specification should be made to, E. F. Hickson, National Bureau of Standards, Washington 25, D. C., not later than August 29, 1949.

Wooster Brush Elects

Wooster Brush Company, Wooster, Ohio, has elected Stanley R. Welty president, to succeed Walter R. Foss, who was named chairman of the board. Mr. Welty has been treasurer of the company since 1945 and will also continue in that capacity.

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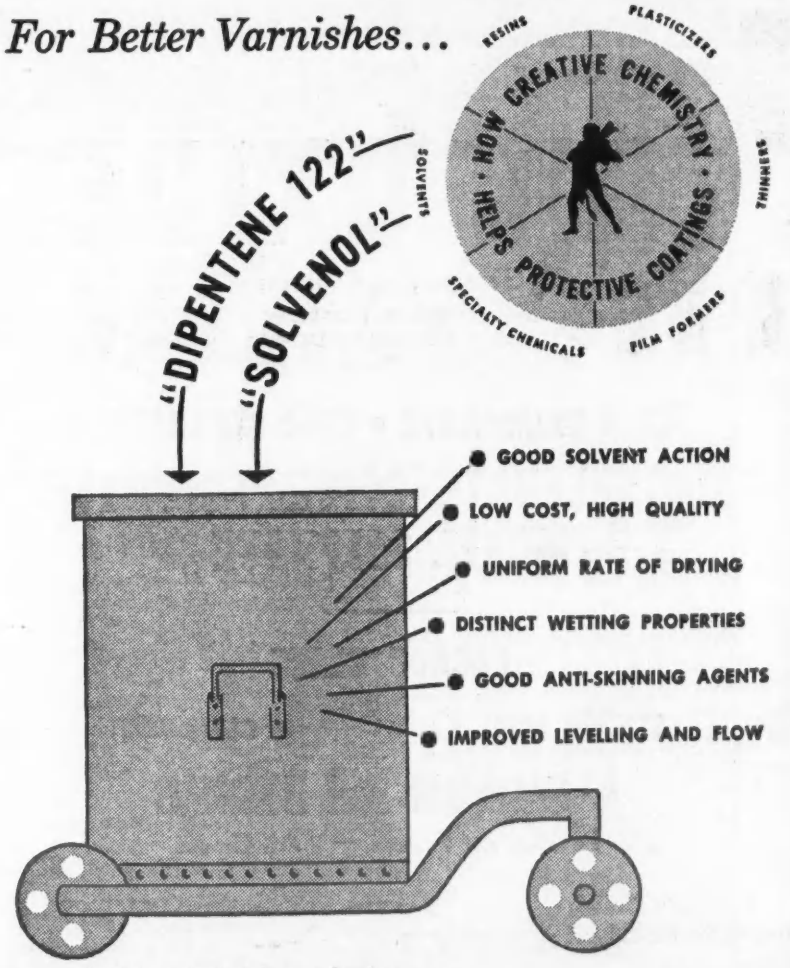

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Tamms Silica Adopts New Corporate Name

Tamms Industries, Inc. is the new name of the concern formerly known as Tamms Silica Company, Chicago, according to an announcement from the organization. It was said that the new name better reflects the nature and scope of the company's activities. The firm was incorporated in 1911 and at that time operations were limited exclusively to raw materials and the sale of silica. Manufacturing was later increased to include water paints, colors and sundry products. In addition to retail trade sales items and raw materials, the company manufactures other products which are sold to the flooring and foundry trades.

Bids Wanted

Aircraft compass liquid, 13,920 quarts, various deliveries, Armed Services Petroleum Purchasing Agency (Washington 25, D. C.), invitation 3, August 15.

Aluminum oxide, 12,000 pounds, Army Map Service, (Washington 16, D. C.), invitation S-7, August 12.

Anti-seize and sealing compound, 4,992 4-ounce cans, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15; 3,600 pounds, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7768, August 11.

Acetic acid, 500 pounds, bottles, Federal Security Administration (Baltimore 2, Md.), invitation SSP-2043, August 12.

Black powder, 378,600 pellets, Army Ordinance Department, (Picatinny Arsenal, Dover, N. J.), invitation 32, August 15.

Cadmium balls, anodes, 500, Army Ordnance Department, (Watertown 73, Mass.), invitation 6, August 17.

Calcium chloride, hydrated, 2,000 pounds, Justice Department, (Federal Correction Institution, Tallahassee, Fla.), invitation 25-2232, August 10.

Cellulose acetate-butyrate dope, 35,250 gallons Navy Department (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7775, August 12; thinner, 198,600 gallons, invitation 7773, August 11.

Chemicals, (copper sulphate, 150 pounds, caustic soda, 1,500 pounds), Army Ordnance Department, (Rock Island Arsenal, Ill.), invitation 11, August 19.

Cleaning compounds, various, 222,660 pounds, Bureau of Federal Supply (Washington 25, D. C.), invitation 3D-79101-R, August 10; 39,536 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Corrosion preventive compounds, 387,320 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Cutting oil, 5,830 gallons, Navy Purchasing Office (New York 3, N. Y.), invitation 5372, August 17; 8,800 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Dichlorophenoxyacetic acid material, 650 gallons, New York State Division of Standards and Purchase (Albany, N. Y., invitation 1117, August 10.

Drugs & chemicals, including anesthesia ether, 35,400 ¼-pound cans, ethyl chloride, 9,996 10-gram bottles, formaldehyde, 7,716 quart bottles, isobutyl alcohol, 240 pound bottles, isopropyl alcohol, 1,200 quart bottles, lubricating jelly, 32,832 four-ounce tubes, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.), invitation 1560, August 16.

Ethyl alcohol, denatured, 4,400 gallons, Army Engineers Corps., (Chicago 6, Ill.), invitation DA-Eng-29, August 15.

Ferrous sulphate, for period ending June 30, 1950, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7833, August 12.

Fluorescent material, 480 containers, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7799, August 15.

Freon gas, 12,000 pounds, U. S. Air Force, (Wright-Patterson Air Force Base, Dayton 1, Ohio), invitation 096-28, August 10.

Fuel, aircraft engine, grade 100/130., 645,000 barrels, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 50-17, August 12.

Gasoline, for period from November 1, 1949, through April 30, 1959, Bureau of Federal Supply, (Washington 25, D. C.), invitation 9G-9891-R, August 16; white, 9,116 gallons, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 6, August 18.

Graphite petroleum compound, 6,136 pounds, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Grease, 8,550 pounds, Armed Services Petroleum Purchasing Office, (Washington 25, D. C.), invitation 6, August 18.

Hydraulic oils, various, 207,600 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Insecticide, liquid, 110 gallons, Justice Department, (Federal Correction Institution, Tallahassee, Fla.), invitation 25-2234, August 12.

Insulating compund, 27,300 8-ounce tubes, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7795, August 15.

Lacquer, 1,300 gallons, Army Chemical Center, Md., invitation 32, August 15; synthetic rubber, 2,010 gallons, Navy Department (Aviation Supply Office, (Philadelphia 11, Pa.), invitation 7847, August 17; 330 gallons, Army Quartermaster Corps., Jeffersonville, Ind.), invitation 18, August 12.

Lacquer primer, 385 gallons, Army Quartermaster Corps., (Jeffersonville, Ind.), invitation 18, August 12.

Lime, as required through June 30, 1950, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7834, August 10.

Liming material, agricultural, as required through December 31, Department of Agriculture, (Division of Purchase, Sales and Traffic, Room 118A, Administration Bldg., Washington 25, D.C.), invitation 50-50, August 16.

Lithographic ink, for period ending September 30, 1950, Coast and Geodetic Survey (Washington D. C.), invitation 730, August 19.

Lubricating greases, 94,892 pounds, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15; 29,000 pounds, invitation 6, August 18.

Lubricating oils, 46,416 gallons, various deliveries, Armed Services Petroleum Purchasing Agency (Washington 25, D. C.), invitation 3, August 15; 144,110 gallons, invitation 6, August 18; semi-solid, 2,310 gallons, U. S. Air Force (Robins Field, Ga.), invitation 1, August 11.

Margarin, 300 pounds, Justice Department, (Federal Reformatory, Petersburg, Va.), invitation 9-4656, August 11.

Mineral seal oil, 3,722 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Neatsfoot oil, 636 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Nitrocellulose, 40,000 pounds, Army Ordnance Department, (Picatinny Arsenal, Dover, N. J.), invitation 29, August 18.

Paint, silver, 215 pints, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7863, August 19; enamel, 3,429 gallons, New York Quartermaster Purchasing Office, New York 3, N. Y.), invitation 31, August 24.

Petroleum naphtha, 8,355 gallons, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7743, August 10.

Phosphating material, 92,400 pounds, Army Ordnance Department (Metuchen, N. J.), invitation 3, August 10.

Pig lead, 120,000 pounds, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7886, August 12.

Polishes, various, 2,429 gallons, Bureau of Federal Supply, (Washington 25, D. C.), invitation 3W-79381-R, August 10.

Potassium perchlorate, grade B, 13,000 pounds, Army Ordnance Department, (Picatinny Arsenal, Dover, N. J.), invitation 31, August 22.

Quicklime, 800 tons, Army Quartermaster Corps., (Purchasing & Contracting Office, Ft. Leavenworth, Kan.), invitation 5, August 11.

Salad oil, 32,511 gallons, various deliveries, Veterans Administration, (Washington 25, D. C.), invitation 24-S, August 18.

Salt, iodized, 1,800 pounds, Justice Department, (Federal Reformatory, Petersburg, Va.), invitation 9-4657, August 11; 1,080,000 pounds, various deliveries, New York Quartermaster Purchasing Office, (New York 3, N. Y.), invitation 40, August 24.

Salt, rock, 312,000 pounds ,Navy Purchase Office (New York 3, N. Y.), invitation 5390, August 29.

Shortenings, various, 640,000 pounds, Chicago Quartermaster Office (Chicago 9, Ill.), invitation 61, August 16; 225,250 pounds, various deliveries, Veterans Administration (Washington 25, D. C.), invitation 25-S, August 23.

Soap, scouring, 1,500 pounds, 11-ounce cakes, Post Office Department Purchasing Agent, (Washington 25, D. C.), invitation 786, August 12.

Solvent, dry cleaning, 19,716 gallons, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 6, August 18.

Spray materials, Division of Shade Trees, Department of Public Properties, (Cleveland, Ohio), order no. 1091-49, August 11.

Stripping compound, plastic, 400 gallons, Navy Department, (Aviation Supply Office, Philadelphia 11, Pa.), invitation 7825, August 17.

Sulphurated oil, 640 gallons, various deliveries, Armed Services Petroleum Purchasing Agency, (Washington 25, D. C.), invitation 3, August 15.

Superphosphate, as required during period ending August 31, 1950, Department of Agriculture, (Division of Purchase, Sales and Traffic, Washington 25, D. C.), invitation 39-50, August 18.

Thermaplastic compound, 5 tons, U. S. Air Force, (Langley Air Force Base, Va.), invitation 1, August 12.

Thinner, 1,300 gallons, Army Chemical Center, Md., invitation 32, August 15; 2,515 gallons, New York Quartermaster Purchasing Office (New York 3, N. Y.), invitation 31, August 24; lacquer, 330 gallons, Army Quartermaster Corps., (Jeffersonville, Ind.), invitation 18, August 12.

Water softener, 240 tons, U. S. Air Force, (Benjamin Harrison Air Force Base, Indiana), invitation 4, August 12.

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ASTM Plans Paint Talks At San Francisco Meeting

The American Society for Testing Materials has scheduled two sessions, dealing with aircraft finishes and with new methods for testing paints and paint materials, on October 13 during the course of its first Pacific area national meeting in San Francisco.

The society's committee D-1 on paint, varnish, lacquer and related products aided in arranging the paint sessions and is sponsoring ten papers in the discussion on new methods.

The aircraft finishes session will hear the following technical papers: "Fire Resistant Finishes for Aircraft," by J. A. Jones and R. V. Niswander, Lockheed Aircraft Corporation; "Laboratory Testing of Rain Erosion Resistance of Aircraft Finishes," by J. K. Grace and G. C. Frey, North American Aviation, Inc., and "Methods of Evaluation of Aircraft Primers," by E. Nelson, Douglas Aircraft Company.

Testing Methods Session

At the session on new methods for testing paints and paint materials the following papers will be presented: "Resin and Drying Oil Tests," by Francis Scofield, National Paint, Varnish and Lacquer Association, C. F. Pickett, Aberdeen Proving Ground, and C. C. Hartman, National Bureau of Standards; "Evaporation Rates of Pure Hydrocarbons and Their Mixtures," by L. S. Galstaun, Tide Water Associated Oil Company.

"Solvent and Thinner Tests," by M. B. Chittick, American Mineral Spirits Company; "Tests for Physical and Optical Properties," by M. R. Euverard, Interchemical Corporation, R. S. Hunter, Henry A. Gardner Laboratory, and R. H. Sawyer, Devoe & Raynolds Company; "Electrometric Testing of Paint Films," by William Shaw, National Lead Company; "Varnish Tests," by J. C. Weaver, Sherwin-Williams Company.

"Pigment Tests," by C. L. Crockett, Norfolk & Western Railway Company, and C. Y. Hopkins, National Research Council of Canada; "Laboratory Tests of Protective Coatings Versus Service Results," by W. T. Moran and G. E. Burnett, United States Bureau of Reclamation; "Accelerated Tests for the Corrosion Resistance of Paints on Steel," by H. A. Nelson, New Jersey Zinc Company.

"Exterior Exposure Tests for Wood and Metal Paints," by Wayne Fuller, Grand Rapids Varnish Corporation, and Arnold Eickhoff, National Lead Company; "Traffic Paint Tests," by W. C. Vannoy, E. I. du Pont de Nemours & Co., and "Some Aspects of Cold Check Testing Practice—A Survey of the Furniture Finisher Field," by F. H. Lang, Sherwin-Williams Company, and I. C. Clare and W. C. Brown, Hercules Powder Company.

Du Pont Making New Printing Ink Pigment

E. I. du Pont de Nemours & Co., Wilmington, Del., has commenced production of a new light fast blue pigment for printing inks. A green-shade "Monastral" blue pigment, the new material is said to be the brightest of all the "Monastral" blue pigments and to have the same light fastness and resistance to chemicals as the other pigments in this group.

Monsanto Issues Resin Data

New data describing the use of "Lustrex X-810" polystyrene, a resinous thickening agent for latex systems, have been compiled by Monsanto Chemical Company, St. Louis. The material includes instructions for dissolving the resin in water, with a table showing the quantity of thickening solution required to provide the desired viscosity in nine typical resinous emulsions.

King Opens New Plant

E. & F. King & Co. and the E. & F. King Paint Corporation, Boston, has opened its new paint plant and chemical warehouse at 640 Pleasant street, Norwood, Mass. The new plant contains equipment of the latest design and facilities for packaging and handling in accord with the most recent styles.

Van Hoesen Assigns Melville

F. P. Van Hoesen Company, paint wholesaler, has appointed W. Robert Melville manager of its Buffalo, N. Y., branch. He was formerly manager of the Buffalo branch of the National Lead Company, and had previously been assistant sales manager of Spencer Kellogg & Sons, Inc.

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Oils, Fats and Waxes

Trend of edible vegetable and animal oils continued upward last week. Inquiry was active for prompt delivery, but trading was restricted owing to the scarcity of old crop crude and refined oil for prompt delivery. Price index advanced to 119.8, compared with 116.8, the week previous and 209.7 for the corresponding week last year.

Crude cottonseed oil led the upward movement, advancing one and three quarter cent under an active demand from refiners for prompt delivery and scarcity of supplies. This strength was reflected in bleachable cottonseed oil futures, which reached news highs for this movement. The dearth of stocks brought out an active trade for the September delivery and widened the spread about 100 points between that month and deferred options.

Peanut oil was practically unobtainable and was boosted one cent per pound above recent sales. Corn oil also was scarce and three quarter cent higher. Soybean oil was in active inquiry for prompt delivery and trading of sizable quantities took place during the week at an increase of three quarter cent per pound.

Higher cost of copra stiffened coconut oil and spot delivery was boosted one half cent. Copra was raised $5 per ton.

Tallow and grease were stronger and lifted one half cent per pound. Trading was quite active at the advance for soapmakers and other consumers' account. Offerings dried up and renderers were holding for higher prices. While export inquiry continued active, the volume of trading was said to be limited for shipment. Grease and tallow oils also were increased one half cent and other animal oils while unchanged were steadier.

Linseed oil for spot delivery was reduced one cent per pound, while second half August and September were unchanged. Business was reported slow for spot while inquiry was more active for forward requirements. Tung oil was firmer for nearby delivery and was advanced one half cent per pound.

Market Trends

Prices Advanced

Coconut oil, ½c. per lb.
Copra, $7.50 per ton.
Corn oil, ¾c. per lb.
Cottonseed oil, 1¾c. per lb.
Grease, ½c. per lb.
oil, ½c. per lb.
Peanut oil, 1c. per lb.
Soybean oil, ¾c. per lb.
Tallow, ½c. per lb.
oil, ½c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

Linseed oil, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
119.8	116.8	110.8	209.7

(For Current Prices see Page 9)

Cottonseed Oil

Tight supply condition of old crop crude oil and refined oil on the spot served to further strengthen the bleachable oil market last week. Trading was active and was centered in the September delivery, resulting in new highs for this movement. The spread between September and deferred positions has been increased to about 100 points, and this delivery was 4c. higher than the season's low. Trade interests were reported liberal buyers of September. Crude oil sold up to 14½c. per pound in the Southeast and Valley for prompt shipment, an advance of 1¾c. for the week. Trading took place in Texas at 14¼c. and additional bids at this figure were reported. Sales were also made at 12½c. for October and 12¼c., November-December, f.o.b. mills, Texas. Offerings were limited in the Southeast and Valley as crushers preferred to await opening seed prices.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended August 5 follow:—

	Sales	Cents per pound High	Low	Close
September	326	15.31	13.85	15.27—15.21S
October	267	14.60	13.68	14.40S
December	345	14.08	13.40	13.85S
January				13.81@13.95
March	52	13.90	13.35	13.65@13.75
May	7	13.75	13.65	13.55@13.80
July	6	13.85	13.80	13.55@13.80

Total sales: 1,203 tankcars, including switches.

Memphis.—Recent sales of crude cottonseed oil made at 14c. per pound, tankcars, Valley, August-September and crude soybean oil at 11½c., same basis. Trading light. Mills awaiting opening seed price. Crushing will not start in this section early September. Cottonseed meal 41 percent quoted at $72 per ton, Memphis. Cottonseed coke $66.50 per ton, bulk, Valley. Good demand for coke and meal. New crop meal not selling in this section.

Linseed Oil

Market was easier for spot delivery and quotations were reduced 1c. per pound, while late August and September deliveries were unchanged. Raw oil was quoted at 21.60c. per pound, tankcars, and at 22.80c. barrels, car lots, New York, for immediate delivery; second half August was offered at 19.6c. September at 17½c. and October-December 17.30c. per pound, tankcars, same basis. In view of the lower cost for late August and September delivery, demand for spot oil was limited to small drum lots. Interest in September and later months was reported more active.

Minneapolis.—Linseed oil prices dropped to 21c. per pound, in tanks, zone 1, first half of August shipment, 19c. for last half of August, 16.9c. for September shipment and 16.7 to 16.9c. for September forward. Oil buyers, large and small, came into the market as firm prices were made available and a rush of buying for spot, immediate, nearby and deferred shipment kept crushers busy booking orders. Large volume buyers took oil for shipment through March, 1950, and there was a great deal of heavy round lot booking for the September-December period. Small round lots were sold on a fill-in basis and the smaller oil buyers were avid for supplies for immediate shipment. Crushers said they could sell "anything on wheels" and that price was determined by date of delivery. Crushing operations on new crop were getting under way slowly, most of the mills cleaned up with "toll" crushing for the CCC. It is estimated that production is at 25 per cent of capacity in the Minneapolis area with volume expected to expand in proportion to the new flax available.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	8,640,000	7,930,000
Since Sept. 1	311,058,000	356,464,000

Flaxseed—Old flaxseed stocks on July 1, totaled, totaled 18,975,000 bushels in all positions except at processing plants. Processors' stocks of old flaxseed are believed to be relatively small, but the actual quantity will not be known until the Bureau of the Census issues the report showing stock at processing plants as of June 30, 1949. The 16,135,000 bushels of commercial stocks at terminals, as reported by the Production and Marketing Administration, make up the major portion of the relatively large carryover at the end of the 1948-49 marketing season. Stocks on farms and at interior mills and elevators amounted to 2,840,000 bushels. Most of the farm stocks were in Minnesota, North Dakota, South Dakota and Montana, but combined farm and interior elevator stocks in these four States made up only slightly over half of the total, with most of the remainder New York and Iowa elevators. Stocks of flaxseed in all positions (including processors) on April 1, 1949, were 29,066,000 bushels and on July 1, 1948, only 7,217,000 bushels.

Minneapolis.—New crop flaxseed was rolling to market in increasing volume and crushers were showing a fair to good interest in the offerings. Prices ranged down to $3.80 to $3.85 per bushel early in the week and continued to sag until spot seed with sold at $3.75 and October delivery sold at the same figure. Crushers wanted flaxseed but were unable to pay much higher prices because of the extremely low price offered for oil for shipment after September 1. The current rush to market, most of the seed coming from Minnesota, Iowa and South Dakota, was larger than last year and it seems that there is more free flaxseed becoming available, despite the fact that bids are about 25c. under the support price ($3.99 at Minneapolis). Late rains in the northern area of the flaxseed belt helped the crop materially, according to reports. The rains in the remainder of the belt caught little flax in the shock or windrow and damage was not expected to be heavy. Crop experts are of the opinion that flax is turning out best of the small grain crops this season and it looks as if the average will run 9 to 10 bushels per acre in the Upper Midwest flax area.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	Receipts 1947-48	Shipments 1948-49	Shipments 1947-48
This week	487,900	372,300	15,300	71,400
Since Sept. 1	28,992,000	22,755,800	5,892,200	3,994,200

Other Vegetable Oils

Castor Dehydrated—Trading was restricted to small lots for actual requirements. Quotations were unchanged.

Coconut—Limited supplies for prompt shipment and light offers of copra created a firmer tone. Crude oil was higher and sold at 15c. per pound, tankcars, Pacific coast, spot. September was quoted 14½c.

For Late Market Developments, See Page 4

October was offered at 12¾c. and November-December, 12½c. same basis.

Copra—Lack of offers for shipment resulted in a stronger market. Sales were made at $170 per short ton, c.i.f. Pacific Coast and $172.50 asked, up $7.50 for the week.

Corn—Sales of crude oil were reported at 13¾c. per pound, tankcars, f.o.b. mills, spot, at 13¼c. August-September and 13c. September. Refined oil was quoted at 16¼c. per pound, tankcars, mills.

Oiticica — Consuming inquiry was reported slow. Liquid was quoted at 18¼c. to 18¾c. per pounds, drums, spot.

Olive—Business continued for small drums for spot delivery. Spanish oil was quoted at $3.50 to $3.60 per gallon, drums, duty paid and Moroccan at 10c. less. Arrivals were reported at 24 drums at New from Genoa last week.

Peanut—This market was entirely nominal due to sold up production. Inquiry was active, but supplies were scarce. Crude oil was moved at 17c. per pound tankcars, f.o.b. mills, for August shipment. New crop crude was quoted at 13c., October shipment. Peanuts released by the government were small last week and made only eight tankcars of oil. Refined oil was practically unavailable and nominal at 21¾c. per pound, tankcars, New York delivery. Support price for the 1949 peanut crop was announced at an average of $210 per ton, or 10½c. per pound, by the Department of Agriculture. Base support rates for various type peanuts include:—$209 a ton for Spanish and Valencias grown east of the Mississippi River, $204 for the same types grown west of the Mississippi River, $199 for Virginias and $187 for runners, for peanuts containing less than 2 percent damage and less than 4 percent foreign material. Comparable base grade support rates for 1948 crop peanuts, respectively, were $215, $210, $207 and $195.

Soybean — Trading was active for prompt shipment. Market was steady, fluctuating narrowly with soybeans. Sales of crude were reported 12c. per pound, tankcars for August, and 11¾c. for September. Consuming inquiry was good, with bids ¼c. below asking prices. October shipment was sold at 11c. Refined oil was quoted at 15c. per pound, tankcars, New York delivery. In the positions for which information is now available about 22,000,000 bushels of soybeans were in storage on July 1, 1949, the Bureau of Agricultural Economics reported. This total does not include stocks at processing plants, a segment of the storage facilities covered by reports of the Bureau of the Census in a monthly report on Fats and Oils. Included in this partial total now available are commercial stocks of 3,300,000 bushels of soybeans at terminals, reported by the Production and Marketing Administration. The Crop Reporting Board estimated July 1 farm stocks at 9,400,000 bushels and stocks at interior mills and elevators at 9,100,000 bushels. The latter are the largest for July 1 in the eight years of record, while farm stocks were exceeded only in 1943 and 1944. Processors' stocks were about 36,300,000 bushels on April 1, 1949. In the past six years the decline in processors' stocks from April 1 to July 1 has averaged about 12,000,000 bushels. The decline was only 6,200,000 bushels in 1945, but has ranged from nearly 11,500,000 bushels in 1943 and 1944 to nearly 14,000,000 bushels in 1946, 1947 and 1948. The decline in farm stocks from April 1 to July 1 this year was over 42,000,000 bushels, the largest of record. Processors consumed 31,400,000 bushels in April and May, which was a larger quantity than usual for those two months.

Tung—Following sales at 21¼c. tankcars, New York, offerings dried up and the price was advanced to 21¾c. for nearby oil. Inquiry was active and lower bids were turned down. September forward was quoted at 21½c.

Fats and Greases

Grease—Market was firmer and was advanced ½c. per pound last week. Trading was active at the higher level. Soapmakers purchased good sized quantities. Offerings were scarce, but buyers refused to raise bids. Export business was slow, though inquiry was quite active. Choice white was raised to 6¼c. per pound, loose, delivered; yellow, 4¾c., and house, 4½c., same basis.

Lard—This market was irregular but closed higher for the week. Domestic demand was active combined with government buying for export stiffened the market. The government purchased 3,700,000 pounds, from 13.76c. to 15c. per pound, f.a.s. New York. Cash lard was quoted at 13c. per pound, tierces, Chicago.

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TALLOW /CERINE

purchased good sized quantities of all grades at an advance of ½c. per pound. Renderers limited offerings and were seeking higher prices for sizable quantities. Consumers showed a good inquiry, but refused to raise bids. Fancy was sold at 6½c. per pound, loose, delivered; extra, at 6¼c., and special, at 6c., same basis. While export inquiry was active, the volume of business was reported limited.

Animal Oils

Degras—Limited supplies of degras kept this market in a firm position. Business was light and spotty. Crude and neutral grades were unchanged and steady. Imported totaled 348 drums at New York last week.

Grease Oils—Higher cost of grease and tallow advanced all grades ½c. per pound. Demand was confined to small lots. No. 1 was quoted at 10¼c. to 10¾c. per pound, drums, as to quantity; extra winter strained, 11¼c. to 11¾c., and prime burning, 12¾c. to 13¼c., same basis.

Oleo Oil—Trading was still spotty. Extra oil was maintained at 13c. per pound, tierces, New York.

Oleo Stearine—Buying interest was fair. Market was firmer with competing materials. Supplies were well held at 10c. per pound, barrels, New York delivery.

Fish Oils

Crude Fish—Trading improved and sales of crude menhaden oil were reported at 5½c. per pound, bulk, works, for prompt and forward delivery. Crude sardine oil was sold at 6c., per pound, bulk, Pacific coast, if and when made.

Refined Fish—Business was light and spotty. Market was steadier. Quotations were without change.

Fatty Acids

Red Oil—Market was stronger with the recent advance in pressing stock. Consuming inquiry was improved and business was brisker. Prices were firm and tending upward.

Stearic Acid—Trading was more active following the recent advance in tallow and grease. Quotations were unchanged, but stronger, reflecting the higher cost basic materials.

Cake and Meal

Cottonseed Meal—Prices continued to hold firm with limited offerings from the Southeast. Most Mississippi Valley mills are well sold up until new crop. The government announcement of a support price at 90 percent parity on cottonseed has forced most mills to withdraw from the market on new crop until they can get details on the support program. Crop report Monday, August 8, is also holding up developments. Small tonnages of 41 percent cottonseed meal was traded at $71 per ton, Valley, August shipment. Occasional cars of loose slab cake were offered at $65 per ton. The nominal price for 41 percent sacked cottonseed meal in Georgia is $75, August shipment, with only resale cars being offered. New crop prices from South Georgia have been indicated at around $70 on 41 percent late August shipment. So far there has been no large tonnage traded.

Linseed Meal—Inquiry for spot delivery continued active, while futures were in quiet demand. Market was firm.

Minneapolis.—A fair demand for linseed meal for spot shipment kept prices firm at around the $59 per ton bulk f.o.b. Minneapolis. September shipment meal quoted at $58 and October forward at $57. Demand for deferred meal was slow but shipping instruction were prompt on spot sales.

Shipments of linseed meal, in pounds, were as follows:—

	1948-49	1947-48
This week	14,280,000	11,580,000
Since Sept. 1	334,320,000	291,580,000

Peanut Meal—Last week the government released only enough peanuts to make approximately 300 tons of meal in the entire Southeast. Demand continues good for peanut meal with the nominal price being $80.00 on 45 percent old process basis South Georgia and South Alabama. About the only peanut meal available is a few scattered resale cars.

Soybean Meal—The soybean meal market continues higher with excellent demand from poultry manufacturers. The southeast its still sold up with no indications on new crop prices. Forty-one per cent bulk meal is quoted at $85.00 basis Decatur, August shipment.

Waxes

Beeswax — Trading continued light, chiefly for prompt delivery. Crude and refined grades were unchanged and fairly steady.

Candelilla — Although consuming de-

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mand was slow, the market remained steady. Crude was held at 45c. to 47c. per pound and refined 48c. to 50c. on spot as to quantity.

Carnauba — Unofficial reports from Brazil stated that the financing of the new crop has begun and stiffened the market. Offers for shipment became scarcer. Lower bids for shipments were turned down. Consuming inquiry for replacements continued slow. Stocks on the spot were maintained at current levels. No. 3 North country crude was quoted at 81c. to 83c. per pound, as to quantity and refined at 85c. to 86c.; No. 1, yellow, $1.10 to $1.12 and No. 2, $1.08 to $1.10. Chalky was nominal at 75c. to 76c.

Ouricury—Demand was slow. Refined was unchanged at 73c. to 75c. per pound, as to seller.

Zinc-Chrome Colors Improved

Australian Dry Colours Proprietory, Ltd., New South Wales, has recently developed several new-type zinc-chrome colors which are described as being very low specific gravity—about one-third that of ordinary zinc chromes. They also have very good anticorrosive properties, it is said.

Gross Names Representative

A. Gross & Co., fatty acids manufacturer, New York, has appointed the J. W. Stark Company its representative in Detroit. The Stark organization, which maintains offices at 804 New Center building, Detroit, will offer the Gross line of stearic acid, red oil, glycerin and fatty acids in the state of Michigan and in Toledo, Ohio.

Trade Briefs

Melvin H. Baker, president of the National Gypsum Company, Buffalo, has been elected to the board of directors of the Safety Council of Western New York.

Hilton-Davis Chemical Company, Cincinnati, has received a high merit rating for safety from the Industrial Commission of Ohio.

Devoe & Raynolds Company, paint manufacturers, has called for redemption Sept. 1, through the sinking fund, $140,000 of its twenty-year 2⅞ percent sinking fund debentures due in 1965 at 100⅜ percent with accrued interest to Sept. 1.

Soybean Ass'n Sets

—Continued from page 7

fats and oils branch, Production and Marketing Administration, will speak on "The 1949 Outlook for Soybeans," and Dr. J. C. Cowan, head of the oil and protein division of the Northern Regional Research Laboratory, will discuss "Research on Flavor Stability of Soybean Oil at the Northern Regional Research Laboratory." In addition, there will be papers on "What Do Fat Emulsifiers Mean to Soybeans?", and "Our Soybeans in World Trade," by speakers to be announced later.

September 7

Following the annual business meeting in the morning, R. G. Brierley, Archer-Daniels-Midland Company, will speak on "Soy Flour in European Occupied Areas," and Dr. William Bening, of Frankfort, Germany, will discuss "Soybeans in the Food Economy of Germany.' In addition, there will be a paper on "Feeding Hungry Peoples," by a speaker to be announced later.

In the afternoon, M. F. Kernkamp, division of plant pathology and botany, University of Minnesota, will present a paper on "Root Rots of Soybeans," and there will be discussions on "Soybeans and the Fertility Level," "Fertilizers and Soybeans," and "Weed Control in Soybeans," by speakers to be announced.

September 8

The final day of the meeting will be devoted to field trips to the farm of the Minnesota Agricultural College to observe soybean variety and disease studies and to the research laboratories of the Archer-Daniels-Midland Company.

Peanut Support Price

—Continued from page 3

$204 for Spanish and Valencias west of the Mississippi River, $199 for Virginias, and $187 for runners. Comparable base grade prices for 1948 crop peanuts, respectively, were: $215, $210, $207 and $195.

The 1949 base grade support prices are for peanuts having a sound, mature kernel content of 65 percent in runners, 65 percent in Viriginias with not over 15 percent extra large peanuts, and 70 percent in Spanish and Valencias. Premiums and discounts this year are similar to those applicable to the 1948 crop.

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1—300 gal. Patterson High Chrome Manganese Ball Mill, jacketed with drive and motor.

THE KEY TO SAVING TIME AND MONEY
CONSOLIDATED PRODUCTS COMPANY, INC.
19-18 PARK ROW, NEW YORK 7, N. Y.—Tel BArclay 7-8690
Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N.Y

WANTED—YOUR IDLE MACHINES—SEND LIST NOW

WE BUY AND SELL—FROM SINGLE ITEMS TO COMPLETE PLANTS

Hooker Glass Sells Plant To McWhorter Chemicals

Hooker Glass & Paint Manufacturing Company, Chicago, has sold its varnish and lacquer plant at 4510-22 West Roosevelt road, to McWhorter Chemicals, Inc. The transfer includes land, buildings, equipment and inventory. McWhorter will manufacture a line of grinding vehicles for the paint industry and will spevialize in synthetic and plastic liquids.

Mines Study Group Named

Senator Joseph C. O'Mahoney, chairman of the interior affairs committee, has named a committee to work out a method for using Federal powers to halt the closing of nonferrous mines and to stimulate exploration for and development of new ore bodies. Serving on the committee, in addition to Mr. O'Mahoney, will be Senators Arthur V. Watkins, James E. Murray, Robert S. Kerr and George W. Malone.

Parke, Davis Engages Buckman

Parke, Davis & Co., pharmaceutical manufacturer, Detroit, Mich., has appointed Dr. R. J. Buckman to the medical staff of its sales and promotion division. Prior to his association with Parke, Davis & Co., Dr. Buckman spent ten years in the practice of general medicine and ni \ years in medical work in the pharmaceutical industry.

Houghton Engages Wirpsa

E. F. Houghton & Co., chemicals and leathers manufacturer, Philadelphia, has added Anthony J. Wirpsa to its paper products division as a supervisory chemist. Mr. Wirpsa will head a program to develop the use of chemicals in pulp and paper mills.

MIXERS
Available Immediately

Robinson New s/s octagonal mixer, 2,500#.
2—NEW Baker Perkins 100 gal mixers—sigma blades, 20 HP AC motor via reduction drive—hydraulic tilt.
2—NEW & used Baker Perkins 2¼ gal s/s mixers—sigma blades, 2 HP exp. proof motor—tilt type.
3—Gemco 220 gal. blenders—portable trucks.

COMPLETE SUGAR INVERSION PLANT, INCLUDING AN ION EXCHANGE UNIT, SWENSON TRIPLE EFFECT EVAPORATOR, STOKES SINGLE EFFECT EVAPORATOR, PRESSURE VESSEL CONVERTER, AND 5—5,000 GAL JACKETED AND AGITATED TANKS. SEND FOR BULLETINS.

2—Patterson Kelly 350 gal. jacketed crystallizers MD.
3—Day, Ross pony mixers 8 to 40 gals.
1—Reade 77 gal. jacketed double arm mixer.
2—Day 3 bbl. dough mixers—10 HP motors.
1—W&P 250 gal. shredder—sigma blades.
2—Ross 1,000 lb. lead mixers—BD.

CHEMICAL & PROCESS
MACHINERY CORPORATION
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EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Stainless Steel Resin Still, complete with coils, agitator and drive.

1—Tolhurst rubber lined suspended type centrifuge, 40" perforated basket.
1—Bird Suspended Stainless Steel Centrifuge, 40" perforated basket.
5—Simpson #0 Intensive Mixers. (New.)
1—Podbielniak Stainless Steel Centrifugal Extractor.
3—Louisville Rotary Steam Tube Dryers, 6' x 50'.
1—Buffalo 2-roll drum dryer, 42" x 100", chrome plated drums.
2—Pfaudler aluminum jacketed reactors, 1,500 and 250 gallons. (New.)
1—#2TH Mikro Pulverizer.

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Capacity approximately 39,000 CFM, consisting of 4—6 x 34 all stainless, type 304 Adsorbers, 30,000# activated carbon, Stainless Ducts, hydraulically operated stainless fitted valves, stainless condenser. Stainless impeller fan.

Also COMPLETE DISTILLATION UNIT, capacity approx. 400 GPH mixed solvents, consisting of 24" & 30" Copper Columns, with Preheater, Condensers, Pumps, Rotameters, and instruments.

Above set up as operated, in perfect condition, immediately available, priced far below present day replacement value. Write or wire us for inspection arrangements.

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13-18 Park Row New York 7, N. Y.

Pebble Mills — 18x27", 36x30", 54x60", 72x60", 3'x3' Hardinge Ball Mill
2 Amer. Exhausters, size 400E No. 40 Clarage.
2-Spencer Turbo Blowers 400 CFM, 14 oz.
54"x30' Rotary Dryer. 54"x25' Louisville
24", 40", 48" Tolhurst Centrifuges.
8 cu. ft. Dry Powder Mixer.
A.C. Dodge 7x9 Jaw Crusher.
2 W & P Mixers, 100 gal.
Steam Pumps.
Speed Reducers.
4' x 5' Lead-Lined Agitated Tank.
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Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
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50—Pumps (Steam and Electric), used & new.
New and used high pressure Steam Boilers, 2 H.P. to 250 H.P.
1—Stedman 40" Cage Disintegrator.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 & 24 cu. ft.
2—Ribbon Type Mixers, steam jacketed.
4—Steel Tanks, 100,000 gals. each.
9—Steel Tanks, 67,500 gals. each.
1—500 gal. Vert. Glass-Lined Tank, closed top, on stand.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
1—Sweetland Filter, No. 5, 15 leaves.
1—Sperry Filter, 18 x 18—24 plate.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL 1—Patterson Pebble Mill, 36" diam. x 42", silex lined—like new.
2—Ransome Rotary Agitators, 9' dia. x 11'6". New.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

FOR SALE

3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.
Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
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FOR SALE

Pebble Mills: 6x3', 4x3', pore. lined.
Ball Mill: 5x6' mang. steel, water jack.
Pebble Mills: 6x3' pore. lined, water jack.
Vacuum Mixer: W. & P. 20 gallon.
Dryers: 6x30' Davenport hot air rotary.
Vacuum Pans: 50 gal. and 6' copper.
Mixer: Day Cincinnatus #2, 28 gal.
Fillers: Tube-Jar, hand and motor dr.
Mixer: Day Imperial #30, stainless steel.
Tablet Machines: Colton 2B, 3B, 4, 5T.
Filter Presses: 7", 12", 24" C.I., 24" wood.
Mixers: Lead and Color, O. & T. 100 gal.
Kettles: Stain. Steel, all sizes. (New).
Powder Mixers: Day 100, 400, 1,000 lbs.
20-20 Burton, Broughton 5 hp.
Labelers: Bottle and Can.
Sterilizer: KNY Scherrer 16" x 50".
Mills: 3-roll Day 16x40" water cooled.
Pumps: Stain. Steel Centrifugal, 2 hp.

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Steel Storage Tanks
6—8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.
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"ANYTHING containing IRON or STEEL"

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6—Anderson No. 1 Expellers.
2—Dopp 1,000 gal. Jack. Agit. Kettles. Dopploy Acid Resistant & Iron.
8—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
1—Denver 4'x3' Rotary Vac. Filter, Motor Driven, complete.
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century "Giant" 2 HP. 4 speed Vert. Mixer.
4—Abbe Pebble Mills, 6'x8', 60"x48".
8—Abbe Jar Mills, Lab. to 2 gal sizes.
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24", 30", 33" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
5—Tyler 38 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 1½".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
16—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Samco Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
6—Filling, Labeling, Cartoning & Wrapping Machines. Colton Tube Fillers.
15—Port. Elec. Mixers, ¼-2 HP.
3—Rotary Cutters, 5 & 40 HP.
8—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
6—Centrifugals, 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
6—Lead & Paste Mixers to 500 gals.
2—Worth 12"x12"x12" Vac. Pumps.
3—DeLaval Mult. Clarifiers, 300 & 201.
Soap Machinery for Toilet, Laundry, etc.
WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY.

STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

FOR SALE

PACKAGING EQUIPMENT

2—Automatic Vacuum Fillers, 12 spout, stainless steel, pts. & qts.
4—Semi-Auto. Vacuum Fillers, 8 spout, stainless, bronze, pts. & qts.
3—Syphon Fillers, 8 spout, stainless, bronze, pts. & qts.
3—Semi-Auto, Powder Fillers, auger type.
2—Automatic Powder Fillers, auger type.
AUTOMATIC LINE FOR FILLING POWDER INTO CARTONS—60 per min.
3—Resina Automatic Cappers, 28 & 70 mm.
3—CC&S Jumbo 7-head Auto. Crowners.
7—Portable Cap Tighteners. Elec. op.
5—Bottle Rinsers, 60 & 72 spout.
3—Ermold Auto. 6-wide Labelers.
1—Auto. Rotary Duplex Labeler.
6—Auto. Rotary Simplex Labelers.
4—Auto. Wrap Around Labelers.
6—Semi Auto. Spot Labelers.
1—Standard Knapp Top & Bottom Case Gluer and compression unit.
3—Acme Elec. op. Case Stitchers.

PROCESSING EQUIPMENT

1—Glascote 75 gal. Jkt'd. & agit. Glass Lined Kettle.
3—Mikro Pulverizers, #4, #1, Bantam.
2—Abbe Pebble Mills, 6' x 8'.
1—Allis Chalmers Continuous Ball Mill, steel liner, 8' x 7', 250 HP motor.
2—Shriver 24" Cast Iron P&F Filter Presses, open dely, 54 chambers.
1—Swenson Precoat Rotary Vacuum Filter, 8' x 8', acid proof, lead & rub.
1—Sweetland No. 10 Filter, C.I. Body, bronze leaves, 500 sq. ft.
1—Dopp 300 gal. cast iron jacketed and agitated Kettle.
20—Stainless and Stainless Clad Kettles, 20 to 500 gal., 40#, 100# jkt. pr.
40—Stainless Steel open top Tanks, 30 gal. to 500 gal., with some side mixers.
90—Horiz Welded steel tanks, mammut lined, 3,300, 6,600 & 7,000 gal.
7—Lead & Paste Mixers, 80 gal.
2—Ross 3-Roll Mills, 16 x 40.
4—Double Arm Jkt'd. Mixers: B-P 15 gal vac.; Day 25 gal.; W&P 100 gal.; Read 250 gal.

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Chemicals — Drugs — Pharmaceuticals
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NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

AGENCIES WANTED

Japanese territory representation wanted in chemicals and minerals by American agent residing in Japan. Suppliers and exporters send proposals or write for details. Importers also please contact. Alvin Melnick, Yomiurikaikan, Yurakucho, Tokyo, Japan. Cable: AIMELNICO, Tokyo.

Wanted: Fast selling lines of specialties and sundries. We are well equipped for detailing, distributing and merchandising. OPD 697.

BUSINESS WANTED

Substantial, small paint and varnish manufacturer looking for additional business. If you control some business and are interested in a strictly 50-50 profit sharing deal or some similar basis that is mutually fair—contact. OPD 695.

Organic Chemist—Industrial experience; production, research, sales; ambitious, cooperative, seeks to purchase interest in an established chemical, pharmaceutical or chemical specialty concern. Will devote full time and best efforts. New York City or suburbs preferred. OPD 700.

EQUIPMENT WANTED

Equipment Wanted: Stainless steel tank, flat bottom, new or second-hand, stainless steel coil inside, 1,000 gallon capacity, agitator, covered top preferable with motor attached. Send complete details and price to OPD 691.

1—Dow Therm unit up to five million B.T.U. Write complete details in first letter to OPD 696.

FACILITIES OFFERED

Facilities offered for mixing dry chemicals carload and less carload. Also grinding, pulverizing, drying screening and packing done. Experienced capable personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 688.

Chemical Plant — South Jersey location, equipped to store liquids to 200,000 gallons. Also equipped to package in cans and drums all liquids, including mixing, blending, clarifying, decolorizing, and deodorizing. Steam, land, building space available. Railroad siding. OPD 683.

MATERIALS OFFERED

Ampoules, Kimble, amber, 1cc No. 12010/S262, 500 gross; 2cc No. 12010/S288, 350 gross, original boxes, 60c. gross delivered. Write Silas & Co., 3117 W. Venice Blvd., Los Angeles 6, California.

MATERIALS WANTED

Pentobarbital sodium wanted from basic producer for resale. Send your offer to OPD 694.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 698.

Solvents—Large eastern solvent consumer solicits correspondents with sources for special or odd-lot solvents and blends; minimum units 500 gallons For specifications and other details, write OPD 699.

PLANTS WANTED

Wanted to lease or purchase: Plant suitable for chemical manufacturing, with or without equipment; require about 3,000 to 5,000 sq. ft., on approx. 1 acre with railroad siding. OPD 692.

Wanted small plant equipped with facilities for handling ethylene oxide and its compensation reactions; or will consider contracting for such work on a tonnage basis with established chemical manufacturer. OPD 693.

Wanted—Complete plants also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Development Chemist—Excellent opportunity in progressive development laboratory for man with outstanding product development record in paint or related industry who has specialized in drying oil-pigment systems. Please fully outline your qualifications and experience in letter to: W. J. Clayton, Minnesota Mining & Mfg. Co., 411 Piquette Ave., Detroit 2, Mich. Applications will be held in strictest confidence.

Alcohol Plants Disposal

—Continued from page 4

tirely new plant than to attempt to repair the Kansas City plant, which, he said, is "poorly constructed and has deteriorated badly."

Maj. Gen. Sidney P. Spalding, industrial program director for the Munitions Board, said the board wanted the plants held in readiness for emergency use, but it does not want to authorize use of its funds for this purpose. The plants, he said, are on the list of those the board wants in the nation's industrial reserve, but they are at the bottom of the list.

The hearing was featured by a dispute between Mr. Hadlick and Maxwell Elliott, counsel for the General Services Administration. Public law 180 of the eightieth Congress expressly requires that the Department of Agriculture report to Congress if the alcohol plants are no longer needed for current operations. Mr. Elliott contended that the more recent law setting up GSA supersedes that requirement and permits the department to transfer the plants without notifying Congress.

Mr. Hadlick opposed this view and was supported by Mr. Gillette, who expressed fear that should this be true GSA might dispose of the plants after Congressional adjournment.

The bill introduced by Mr. Gillette would allow the facilities to be leased to private industry for grain storage purposes, but would require that the alcohol stills be maintained on a standby basis.

ECA Announces Additional

—Continued from page 4

isphere, other than the United States and possessions and Canada.

To Greece—A decrease of $800,000 in a previous allocation for crude oil and petroleum products from the United States and possessions.

To Korea—$263,000 for agricultural pesticides from the United States and possessions.

To United Kingdom—$110,000 for miscellaneous nonferrous metals and their products, except beryllium, thorium and their products; $270,000 for nonmetallic minerals, except petroleum, and nonmetallic mineral products; $756,000 for zinc and zinc base alloys and products; $1,350,000 for nonferrous ores and concentrates, except beryllium ore or monazite sand, and a decrease of $260,000 in a previous allocation for alcohol, all from the United States; $789,000 for nonmetallic minerals, except petroleum, and nonmetallic minerals products; $1,373,000 for nonferrous ores and concentrates, except beryllium ore and monazite sand, and $838,000 for miscellaneous industrial nonferrous metals and their products, except beryllium, thorium or their products, from Canada, and $1,281,000 for nonferrous ores and concentrates, except beryllium ore or monazite sand, from Latin America.

TRYPSIN 1:400

Well standardized and stable is offered at interesting prices for prompt shipment.

Offers through **Box 687**
Oil, Paint and Drug Reporter

Radioactive Isotopes

—Continued from page 4

tent that the commission is constructing a special area at the laboratory to facilitate the processing and packaging of the radioactive isotopes for distribution throughout this country and abroad. Research laboratories for improving present processing techniques are also being constructed and will soon be ready for use. Expansion of the program has been possible because of the advances made in production by the staff of the operations division of the laboratory, the AEC said.

Distribution Program Expanded

To round out a comprehensive program of distribution of radioactive materials, AEC announced on July 24 the availability to researchers in the United States of cyclotron-produced radioisotopes. With this additional supply of radioisotopes, which are produced in the accelerator type of atom-smashing machines added to the varieties produced in the Oak Ridge laboratory's reactor, researchers will have a new collection of tracer atoms to find answers to problems in general science, medicine, industry and agriculture.

These radioisotopes are produced in machines at the Massachusetts Institute of Technology, the University of Pittsburgh, Washington University at St. Louis and the Crocker Radiation Laboratory at the University of California. They are processed at the Oak Ridge National Laboratory and allocated in the usual manner by the AEC's isotopes division.

Industrial Application of Chemicals

("Where You Can Sell")

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Ammonium Thioglycolate

Cosmetic—Setting agent in cold wave solution for hair waving (if product is completely free from thiodiglycolic acid, and iron, glycollic acid, and salts of heavy metals, solutions are claimed to be dependably stable, and free from unpleasant odors; not to discolor; to make a tighter and more lasting curl).

Benzoyl Peroxide

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Fats, Oils, and Waxes—Drying agent for unsaturated oils.

Resins—Catalyst in polymerization of methyl methacrylate, vinyl type monomers, and styrene.

Textile—Burn-out agent for acetate yarns.

Butyl Alcohol, Tertiary

Adhesives—High latent solvent in adhesive compositions containing cellulose acetate.

Ceramic—High latent solvent in compositions, containing cellulose acetate, used as coatings for protecting and decorating ceramic articles.

Chemical—Denaturant for ethyl alcohol.

Claimed interesting because miscible with most organic solvents, such as ketones, alcohols, esters, ethers, and aromatic and aliphatic hydrocarbons, and most stable of all water-miscible alcohols toward oxidizing agents.

Suggested for use as alkylating agent for introducing the tertiary butyl group into a variety of compounds; extraction and recrystallization solvents; raw material in organic syntheses.

Cosmetic—High latent solvent in nail enamels and lacquers containing cellulose acetate as base material.

Disinfectant—Suggested for use as raw material and alkylating and process agent in syntheses of complex organic chemicals useful as germicides.

Dye—Suggested for use as alkylating agent, raw material and process material in syntheses of dyestuffs.

Electrical—High latent solvent in insulating compositions, containing cellulose acetate, used for covering wire and in making electrical machinery and equipment.

Food—Suggested for use as extractant in making flavorings.

Glass—High latent solvent in compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—High latent solvent in compositions, containing cellulose acetate, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—High latent solvent in compositions, containing cellulose acetate, used as coatings for protecting and decorating metallic articles.

Miscellaneous—High latent solvent in coating compositions, containing cellulose acetate, used for protecting and decorating various products, also in compounding industrial cleaning preparations.

Paint, Varnish, and Lacquer—High latent solvent in paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate.

Paper—High latent solvent in compositions, containing cellulose acetate, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Perfume—Suggested for use as extracting and recrystallizing agent in making perfumes; raw material and alkylating and process agent in syntheses of complex organic chemicals useful as perfume or perfume ingredients; solvent in perfume preparations.

Pesticide—Suggested for use as raw material and alkylating and process agent in syntheses of complex organic chemicals useful as fungicides or insecticides.

Pharmaceutical—Suggested for use as extracting and recrystallizing agent in making chemicals; alkylating and process agent in syntheses of organic chemicals useful themselves as pharmaceuticals or as ingredients of pharmaceuticals.

Photographic—High latent solvent in making films from cellulose acetate.

Plastics—High latent solvent in making laminated-fiber and molded articles, and plastic materials from cellulose acetate.

Resins—Suggested for use as alkylating agent; high latent solvent in processing; process material; solvent in resin-cellulose derivative compositions.

Rubber—High latent solvent in compositions, containing cellulose acetate, used as coatings for decorating and protecting rubber goods.

Stone—High latent solvent in coating compositions, containing cellulose acetate, used for decorating and protecting artificial and natural stone.

Textile—High latent solvent in compositions, containing cellulose acetate, used in the manufacture of coated textile fabrics.

Wood—High latent solvent in compositions, containing cellulose acetate, used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

Carboxymethylbetathiopropionic Acid

Cosmetic—Antioxidant (U.S. 2397976) in creams, greases, lipsticks, ointments, shampoos.

Fats, Oils, and Waxes—Antioxidant (U.S. 2397976) for edible animal oils and fats, fish oils, vegetable oils and fats, waxes.

Food—Antioxidant (U.S. 2397976) for oils and fats.

Fuel—Antioxidant (U.S. 2397976) in candles.

Leather—Antioxidant (U.S. 2397976) in dressing, finishing, and softening compositions.

Miscellaneous—Antioxidant (U.S. 2397976) in phonograph record compositions containing waxes, polishing compositions containing waxes and oils, waterproofing compositions containing waxes and oils, waxing compositions.

Soap—Antioxidant (U.S. 2397976) in soaps, shampoos, and the like.

Textile—Antioxidant (U.S. 2397976) in coating, sizing, waterproofing, and waxing compositions.

Calcium Citrate

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Building Construction—Retarder of setting of plaster and cement.

Food—Calcium source of modifying condensed and evaporated milk and other food products.

Soft-Drink—Source of citric acid in formulation.

2:6-Di-tertiary-butylparacresol

Chemical—Compound insoluble in aqueous sodium or potassium hydroxide solutions, suggested for use as intermediate in syntheses of organic chemicals.

Miscellaneous—Suggested for investigation as antioxidant in stabilizing fats, oils, greases, and other materials.

Mannitan Monopalmitate

Cosmetic—Emulsifying agent in making creams, hairsetting preparations, lipsticks, pencils.

Fats, Oils, and Waxes—Emulsifying agent in making preparations of natural or synthetic waxes.

Leather—Emulsifying agent in making dressing, finishing, and waterproofing compositions.

Miscellaneous — Emulsifying agent in making automobile polishes, furniture polishes, greasing, and waterproofing compositions.

Paint, Varnish, and Lacquer—Emulsifying agent in making waterproofing compositions.

Paper—Emulsifying agent in making compositions for sizing paper and pulp articles for waterproofing paper and pulp compositions and paperboard, waxing composition.

Textile—Emulsifying agent in making coating, sizing, waterproofing, compositions, and waxing compositions.

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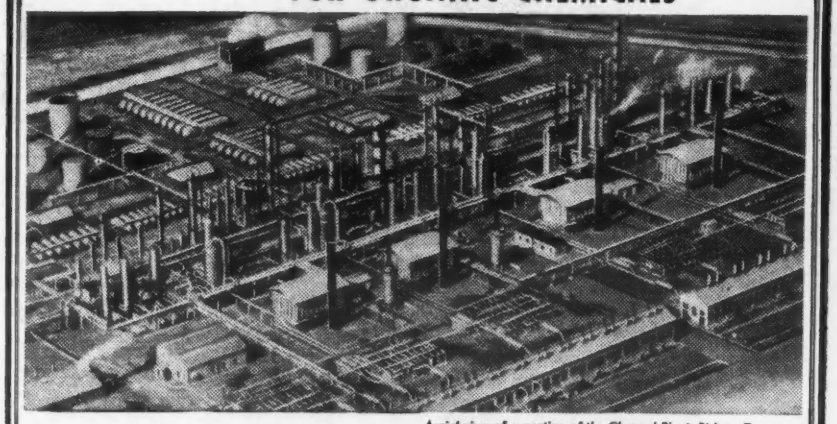

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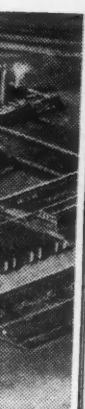

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